# CHAPTER IV.

## FINANCIAL RESULTS.

Revenue and Expenditure of the Forest year.

134. The financial results of the Forest year 1896-97, as well as those of the one preceding it, are compared in the following statement:—

| Year. | Receipts. | Expenditure. | | | Surplus. |
|---|---|---|---|---|---|
| | | A. | B. | Total. | |
| | | Conservancy and Works. | Establishment. | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1895-96 ... | 4,65,745 | 1,28,550 | 1,06,257 | 2,34,807 | 2,30,938 |
| 1896-97 ... | 3,12,297 | 24,266 | 1,09,943 | 1,34,209 | 1,78,088 |
| Difference ... | 1,53,448 | 1,04,284 | 3,686 | 1,00,598 | 52,850 |

Receipts and Charges of the Financial year.

135. A comparison of the figures for the two Financial years is made in the subjoined statement:—

| Year. | Receipts. | Expenditure. | | | Surplus. |
|---|---|---|---|---|---|
| | | A. | B. | Total. | |
| | | Conservancy and Works. | Establishment. | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1895-96 ... | 4,95,121 | 1,76,807 | 1,06,171 | 2,82,978 | 2,12,143 |
| 1896-97 ... | 3,32,087 | 24,892 | 1,07,132 | 1,32,024 | 2,00,063 |
| Difference ... | 1,63,034 | 1,51,915 | 961 | 1,50,954 | 12,080 |

136. The gross receipts and expenditure of the Forest and the Financial year exhibit considerable variations. An exact comparison of the figures is not, however, possible, for the reason that in 1895-96 the Departmental system of exploitation was in force for six months in the Financial year and for three months in the Forest year, whereas in 1896-97 the fellings, having been almost exclusively conducted under a different agency of exploitation, which was introduced from 1st October 1895, that year's accounts, both for the Forest and the Financial period, were not burdened with the heavy cost which the cutting of wood, the manufacture of charcoal and other incidental operations, when carried out through the agency of the Department, usually entail It is, therefore, necessary to confine the contrast to the state of the surplus revenue only.

137. The net receipts of the Forest as well as that of the Financial year exhibit a decrease of Rs. 52,856 and Rs. 12,080, respectively, which would have been fully covered had it not been for the unforeseen difficulties experienced by the Department in recovering the instalments on the coupe contracts alone on the dates they fell due, the amounts of such outstanding balances of revenue being Rs. 22,500 at the end of March 1897 and Rs. 61,000 at the end of June 1897. The presence of the plague brought about a dearth of labour, which could not be procured in many places, although remunerative wages were offered by the coupe contractors. On the other hand, there was an accumulation of stocks for which there was no market for the time being. Demand for timber sank to the lowest ebb, and, added to this, the North-

Western Railway were not able to utilise the full yield in firewood of the coupes owing to slackness of traffic. Moreover, trade was paralysed and the money market became very tight in consequence. It has been noticed in last year's report (paragraph 97) that the carrying out of an undertaking of the nature of a coupe contract in Sind requires a somewhat large capital to be sunk in it at starting in order to prove remunerative in the end. Having laid out large sums of money at the commencement of the working season, the contractors despaired of realising their expected profits when they found that they could not command labour or capital, nor dispose of their material to enable them to fulfil their monetary engagements with the Department. Such was the state of affairs when the Financial year came to a close, although it had improved just a little by the time the Forest year terminated, but not to such an extent as to dispel all fears altogether.

138. A reference to Form No. 63 for the Financial and the Forest year will show that the outstandings on account of revenue are exceedingly heavy, and amount in the aggregate to Rs. 1,02,599-8-6 in the one and to Rs. 78,533-15-3 in the other. Every pressure was brought to bear upon the contractors, even to the extent of threatening them with the extreme penalty of cancelling their agreements. This had the desired effect in so far that the money which was due before the 1st April 1897 was paid before the 30th June following, but nevertheless the instalments which were payable in the last quarter of the Forest year remained unadjusted. As it was found that they recognised the priority of the claims of the Department and had done their utmost to satisfy them, it was not deemed advisable to subject them to undue hardship, especially as their sources of income had temporarily ceased and money could not be borrowed even at an exorbitant rate of interest. The work of extracting bahan timber also had to come to a stand still, and the expected outturn fell much below the minimum quantities which the area under the selection method was capable of yielding, and with it the revenue anticipated to be realised. Taking the above facts into consideration, the financial position of the Department is not so discouraging as it looks. The exceptional difficulties mentioned above now no longer exist, and it is hoped that against the deficit which has occurred a fair set-off will be shown in the next year.

Comparison of financial results by Divisions.

139. The following statement compares the revenue and expenditure of the two Forest years 1895-96 and 1896-97 according to Divisions :—

| Division. | Receipts. | | Charges. | | Surplus. | | Deficit. | | Percentage of charges on receipts. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1895-96. | 1896-97. | 1895-96. | 1896-97. | 1895-96. | 1896-97. | 1895-96. | 1896-97. | 1895-96. | 1896-97. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Direction ... ... | 11 | ... | 23,820 | 22,535 | ... | ... | 23,809 | 22,535 | ... | ... |
| Sukkur ... ... | 1,67,450 | 1,10,323 | 80,854 | 31,011 | 86,596 | 79,312 | ... | ... | 48 | 28 |
| Naushahro ... | 76,599 | 41,646 | 40,643 | 17,391 | 35,956 | 24,255 | ... | ... | 53 | 42 |
| Hyderabad ... | 1,43,650 | 1,03,046 | 52,852 | 20,809 | 90,798 | 82,237 | ... | ... | 37 | 20 |
| Jerruck ... ... | 66,995 | 50,994 | 29,632 | 25,366 | 37,363 | 25,628 | ... | ... | 44 | 50 |
| Thar and Parkar ... | 10,952 | 6,288 | 6,211 | 2,821 | 4,741 | 3,467 | ... | ... | 57 | 45 |
| Working Plans ... | 118 | ... | 795 | 14,276 | ... | ... | 677 | 14,276 | ... | ... |
| Total... | 4,65,775 | 3,12,297 | 2,34,807 | 1,34,209 | 2,30,968 | 1,78,088 | ... | ... | 50 | 43 |

DIRECTION.—The deficit in 1896-97 is less than that of the previous year by Rs. 1,274. Although the increased rate of pay drawn by the administrative officer now in charge of the Circle during the year was almost covered by the salary drawn by Mr. Deshpande, who was attached to the Circle office for four months of 1895-96, there is a deficit of Rs. 1,274, which is due to an unusual charge on account of mathematical instruments having been debited in the latter year to the Circle accounts as well as to the reduction of expenses under B.—III Contingencies, in view of the orders of Government to observe economy and postpone all avoidable expenditure.

SUKKUR.—The expenditure of this Division is much less in the year, both under "A.—Conservancy and Works" and "B.—Establishment," owing to the absence of debits on account of timber and fuel operations, to the cost of demarcation not being so heavy as that of the previous year, and to the reduction in the salaries and travelling allowances drawn by the officers concerned; but the non-payment of instalments due from coupe contractors, reasons for which have been explained in paragraphs 137 and 138, has chiefly affected the surplus revenue not only of this Division but of others as well.

NAUSHAHRO.—The net surplus exhibits a falling off of Rs. 11,701, which is accounted for partly by the revenue shown as outstanding at the close of the year and partly by anticipated receipts by sale of bahan timber not having been realised.

HYDERABAD.—The remarks against Naushahro apply to this Division also.

JERRUCK.—If all the revenue payable during the year had been credited in the accounts, the deficit of Rs. 11,736 would have been counterbalanced.

140. The percentage of charges over the gross revenue realised has further declined, which does not require to be specially explained. In Jerruck, it is somewhat high, the rise having been caused chiefly by the officer now in charge being in receipt of a much higher salary than that of the one whom he succeeded.

Abstract of Financial results.

141. An abstract of annual Form No. 65 is given in the subjoined statement :—

| Heads. | Receipts. | | Charges. | | Percentage of the gross revenue spent. | |
|---|---|---|---|---|---|---|
| | 1895-96. | 1896-97. | 1895-96. | 1896-97. | 1895-96. | 1896-97. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I.—Departmental Operations. | 1,70,856 | 7,617 | 1,44,692 | 41,604 | 31 | 13 |
| II.—Other Revenue | 2,94,889 | 3,04,680 | 36,745 | 42,264 | 8 | 14 |
| III.—Formation, protection and improvement of Forests. | ... | ... | 53,470 | 50,341 | 11 | 16 |
| Total ... | 4,65,745 | 3,12,297 | 2,34,807 | 1,34,209 | 50 | 43 |

142. Under the first item, there is a marked decrease, which does not call for any remarks, as the heading itself indicates that it has resulted from the abandonment of the system operations in connection with which are no longer carried out through the agency of the Department. The Working Plans Division came into existence in May 1896, and therefore in the accounts of 1895-96 expenditure on establishment only appeared but for a month, while the year 1896-97 includes such charges for twelve months, as also the salaries of chainmen and the cost of demarcation operations. These reasons, coupled with the increased salaries drawn by the administrative as well as controlling officers, have helped to raise somewhat the percentage of the gross revenue spent under the other two heads.

Value of the stock on hand.

143. The following figures show the value of the balance of timber and other produce on hand at the commencement and close of the forest year :—

| | *Value of Timber.* | |
|---|---|---|
| On 1st July 1896 ... ... ... ... | Rs. | 7,210 |
| On 30th June 1897 ... ... ... ... | „ | 1,909 |
| Against the year ... | Rs. | 5,301 |

144. For obvious reasons, the value of the material on hand must decline as there is no accumulation of stocks at present, as was the case under the Departmental system.

Outstandings on account of advances.

145. Outstandings and liabilities on account of contractors and disbursers for the fuel year ending 30th September 1897 are summarised in the following statement :—

| Division. | Advance outstanding on 1st October 1896. | Disbursements made during the fuel year 1896-97 (October 1896 to September 1897). | Total of columns II and III. | Recoveries made during the year. | Balance outstanding on 30th September 1897. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Sukkur ... ... | 3,300 | 18,865 | 22,165 | 20,408 | 1,757 |
| Naushahro ... | 723 | 11,238 | 11,961 | 9,775 | 2,186 |
| Hyderabad ... | 1,813 | 12,020 | 13,833 | 12,864 | 969 |
| Jerruck ... ... | 1,037 | 9,569 | 10,606 | 9,748 | 858 |
| Total ... | 6,873 | 51,692 | 58,565 | 52,795 | 5,770 |

146. There has been no slackness in renewing the efforts made last year to effect the recoveries of the outstanding advances, but, as a great portion comprises sums advanced to petty contractors under the old system, it will be necessary to have recourse to law in some cases, while in others they will have to be debited to Profit and Loss Account. For items of the former nature, papers relating to each contractor have been submitted to the Commissioner in Sind, along with the translation of vernacular documents, with a view to the opinion of the Legal Remembrancer being obtained, and for those of the latter kind it will be necessary to approach Government with an application to write them off as irrecoverable, as some of the individuals have absconded and their whereabouts cannot be traced, a few are dead, and the insolvency of the rest has been established. In the Naushahro Division, the increase is due to a special advance having been made to a Range Forest Officer for carrying on erosion fellings, and the whole of it could not be adjusted when the fuel year came to a close. The Civil suit which was instituted against Saleh Shah *walad* Alim Shah, under the authority of Government Resolution No. 9629, dated 30th November 1896, was decided in favour of the Department after the Forest year terminated.

Outstandings on account of revenue.

147. The outstandings on account of revenue of the Forest year in each Division are contrasted with those of the year before in the following statement :—

| Division. | Outstandings on account of revenue | |
|---|---|---|
| | On 30th June 1896. | On 30th June 1897. |
| | 1895-96. | 1896-97. |
| | Rs. a. p. | Rs. a. p. |
| Sukkur ... | 15,000 0 0 | 13,932 4 2 |
| Naushahro ... | 7,189 9 2 | 7,639 14 0 |
| Hyderabad ... | 24,040 8 0 | 41,357 10 6 |
| Jerruck ... | 9,950 4 8 | 15,604 2 7 |
| Thar and Parkar ... | ..... | ..... |
| Total ... | 56,180 5 10 | 78,533 15 3 |

148. The causes which combined to let large sums remain as an outstanding revenue were more or less beyond the control of the Department, and as they have been fully explained in paragraph 137, it is not necessary to recapitulate them here.

Net results of the year's working.

149. The results of the year's transactions, as contrasted with those of the one preceding, stand as under :—

| | 1895-96. | 1896-97. |
|---|---|---|
| Cash surplus ... ... | Rs. 2,30,938 | Rs. 1,78,088 |
| *Add*— | | |
| Value of Stock ... ... | Rs. 7,210 | Rs. 1,909 |
| Outstandings of Revenue ... | „ 56,180 | „ 78,534 |
| | Rs. 2,94,328 | Rs. 2,58,531 |
| *Deduct*— | | |
| Outstandings and liabilities on account of contractors and disbursers ... ... | Rs. 8,966 | Rs. 5,850 |
| Total net Profit | Rs. 2,85,362 | Rs. 2,52,681 |

150. The figures of the year 1896-97 do not compare favourably with those of 1895-96, which was to be expected, as the efforts to further improve the surplus from other minor sources of revenue, to make up for the reduction of old stocks on hand, did not meet with the anticipated success owing to the outbreak of the Bubonic plague.

## CHAPTER V.

### Forest Administration.

Officers in charge.

151. The charge of the Circle and of the different Divisions was held by the officers mentioned below :—

| | |
|---|---|
| Circle ... ... ... | Mr. E. R. Dasai, whole year. |
| Sukkur Division ... ... | Mr. Shaukiram Peribdas, whole year. |
| Naushahro Division ... ... | Mr. B. G. Deshpande, whole year. |
| Hyderabad Division ... ... | Mr. B. H. Dalal, from 1st July 1896 to 17th May 1897.<br>Mr. G. K. Betham, from 18th May to 30th June 1897. |
| Jerruck Division ... | Mr. G. M. Ryan, from 1st July 1896 to 29th December 1896.<br>Mr. E. R. Dasai, from 30th December 1896 to 5th January 1897.<br>Mr. G. K. Betham, from 6th January 1897 to 30th June 1897. |
| Working Plans Division ... | Mr. O. H. L. Napier, from 1st July 1896 to 16th March 1897.<br>Mr. B. H. Dalal, from 17th March 1897 to 30th April 1897.<br>Mr. O. H. L. Napier, from 1st May 1897 to 6th May 1897.<br>Mr. B. H. Dalal, from 7th to 19th May 1897.<br>Mr. E. R. Dasai, from 20th May to 30th June 1897. |

Details of changes in the upper and lower controlling staff.

152. I was appointed Conservator of Forests, 3rd Grade, with effect from the 25th November 1896, in consequence of the changes caused by the lamentable death of Mr. J. L. MacGregor, Conservator of Forests, 2nd Grade. Under the orders of Government contained in their Resolution No. 1028, dated 16th December 1896, Mr. G. M. Ryan was transferred to South Thana, Northern Circle, and was relieved of the charge of the Jerruck Division on 30th December 1896 in the forenoon. His place was taken by Mr. G. K. Betham, Deputy Conservator of Forests, 2nd Grade, who joined his duties in Sind on 6th January 1897. Mr. B. H. Dalal, Extra-Assistant Conservator of Forests, having been transferred to the Rajpipla State, made over charge of the Hyderabad Division to Mr. G. K. Betham, Divisional Forest Officer, Jerruck, who continued to hold it, in addition to his own, from 18th May 1897 to the end of the year, as the transfer of Mr. Haripad Mitra, Extra-Assistant Conservator of Forests, who had been posted to this Circle, was suspended, pending completion of the work on which he was then engaged. The services of Mr. O. H. L. Napier, Deputy Conservator of Forests, and Mr. Shaukiram Peribdas, Extra Assistant Conservator of Forests, had to be spared during the year for plague duty. The former handed over the charge of the Working Plans Office to Mr. B. H. Dalal, who was in turn relieved by me on being transferred to foreign service. Mr. Shaukiram Peribdas, who had been entrusted with the arrangements of the Segregation Camps in Sukkur, carried them out in addition to his own duties. Mr. Napier proceeded to England on three months' privilege leave on account of ill-health from 7th May 1897.

Executive and Protective staffs.

153. In the numerical strength of the Executive and Protective staffs, there was no change. The utter inadequacy of these establishments has formed the subject of comment on various occasions, and the urgency of improving their status and placing them on a better footing is being keenly felt.

Forest Class at the College of Science, Poona.

154. No new students arrived from Poona during the year, but the two candidates admitted to the Forest Class last year will be coming out in December next, if they undergo successfully the final test. The system of nomination, under which each Conservator had authority to select a certain number of candidates for training in the College, has been done away with and admissions are now made by competitive examination, to be held by the Principal in Poona An exception has, however, been made in favour of Sind on a representation having been made from the Circle office, pointing out the consequences of the inconvenience and the hardship which the intending candidates from this Province would be subjected to in the event of their being obliged to go to Poona to appear for the competitive examination This examination will henceforth be conducted simultaneously in Sind, under the superintendence of the Conservator of Forests, after being duly advertised, the examination papers being set by the College staff.

Office establishments.

155. The establishments in the Circle, as well as in the Divisional offices remained at the same strength as that of the year preceding. The work in the different offices has increased to such an extent as to loudly call for revision. In response to the directions conveyed in Government Resolution No. 4659, dated 23rd June 1897, separate proposals have been submitted for revising them, and it is earnestly hoped they will be sanctioned ere long.

Expenditure on establishments.

156. The budget grant as well as the actual expenditure on account of the subordinate Protective and Office establishments is given below for two years for the sake of comparison :—

| Establishment. | Sanctioned grant, Financial year. | | Actual expenditure, Financial year. | |
|---|---|---|---|---|
| | 1895-96. | 1896-97. | 1895-96. | 1896-97. |
| Office ... ... | 10,700 | 10,632 | *10,571 | 10,606 |
| Protective ... | 39,000 | 39,000 | *37,586 | 37,112 |
| Total ... | 49,700 | 49,632 | 48,157 | 47,718 |

* The figures given in last year's report were incorrect.

Conduct of establishment.

157. The conduct of the Executive and the Office staffs continued to be satisfactory on the whole, only one Ranger—the senior on the list—having been reduced for the perfunctory manner in which he discharged his duties. There was some improvement in the conduct of the members of the Protective branch also, the number of persons dismissed and reduced being less than that of the year previous; but the number of those fined somewhat increased, as some required a little waking up in the matter of grazing collections, and others were inclined to be indolent and displayed dilatoriness in the execution of orders.

Health of establishment.

158. The health of the establishments was reported to be good. No subordinate died of plague during the year.

Murderous assault on a Round Guard.

159. The Forest Department lost the services of one of its best Sub-Rangers under most distressing circumstances in the year of report. While on his way to the camp of the Range Forest Officer at Nasri on the 9th January 1897, to deliver the grazing collections made by him, he was set upon by some ruffians and murdered in cold blood in broad day-light. He was also robbed of Rs. 15-10-6 out of the total sum of Rs. 22-10-6, and the balance of Rs. 7

was found on the deceased's person tied up in his waist band. Such an occurrence was the first of its kind in the annals of the Department since its organisation. All efforts to trace the real murderers having failed, the stolen money had to be written off with the sanction of Government.

## Services of officers.

Services of officers.

160. In the transfer of Mr. G. M. Ryan, Deputy Conservator of Forests, to the Northern Circle and in the deputation of Mr. B. H. Dalal, Extra Assistant Conservator of Forests to foreign service in the Rajpipla State, the Sind Circle has lost the services of two intelligent and zealous officers.

161. Mr. G K. Betham, Divisional Forest Officer, Jerruck, being new to the Province, had just sufficient time after his arrival in January 1897 to make himself pretty well acquainted with the forests of his charge.

162. The arduous duties pertaining to his dual charge, requiring more than ordinary exertion, Mr. Napier has performed satisfactorily. No little credit is due for the tact and judgment he displayed in effecting the settlement of two long-standing boundary disputes in the Jerruck Division.

163. The management of the Naushahro Division by Mr. B. G. Deshpande has met with my approval.

164. Mr. Shaukiram, Divisional Forest Officer, Sukkur, whose reputation as a hard-working officer has been already established, has during the year under report earned my special thanks for the creditable manner in which he has supervised and carried out the cultural operations in almost all the ranges of his Division.

165. Special mention of the following Range Forest Officers has been made in the Divisional reports:—

| *Rangers.* | *Foresters.* |
|---|---|
| 1. Metharam Deumal. | 5. Mangharam Dayaram. |
| 2. Bulchand Parumal. | 6. Kauromal Nihalsing. |
| 3. Dalpatrai Jethanand. | 7. Tekchand Kevalram. |
| 4. Vishindas Ram Baksh. | 8. Bulchand Hasomal. |
| | 9. Lakhasing Nihalchand. |
| | 10. Dayaram Neribdas. |
| | 11. Kundanmal Jhamrai. |

166. The Circle and the Divisional office establishments, there can be no doubt, are overworked, and if relief is not afforded soon, some of the members will break down in health completely. The Clerks have all, without an exception, been reported on favourably by the officers under whom they are serving, and it gives me pleasure once again to bring to the notice of Government the care and ability shown by the Head Accountant in the Circle office, Mr. Parmanand Hirdaram, in carrying on the Account work, and the marked intelligence and industry displayed by the Head Clerk, Mr. Parmanand Udharam, in the correspondence branch, work in which is increasing day by day.

## General Remarks.

Tour of inspection.

167. In the recess season, I visited Hyderabad and Sukkur, and was absent from head-quarters from the 20th July to the 1st August 1896. During my stay at both these places, besides inspecting the cultural operations in the forests in their vicinity, I tried to sell the coupes of the Hyderabad, Naushahro and Sukkur Divisions, but the tenders received on the dates fixed were so low that they had to be rejected, and consultations were held with the Divisional Forest Officers concerned as to the best manner of breaking through the combination which was apparent amongst the purchasers.

168. I left Karachi on my cold weather tour on the 8th November, proceeding to Hyderabad, where I made a halt of five days and was successful in disposing of the remaining coupe and other contracts of the year. Leaving Hyderabad on the 14th, I marched through the Miani and Rano Ranges, daily inspecting the timber and other operations on the way with the Divisional Forest Officer, and crossed over to the right bank at Amri on the 6th December, and the camp moved to Sehwan on the 9th. In the Sehwan Range, I stayed up to the 23rd, to minutely examine the results of the cultural operations undertaken in high-lying land with the aid of cereal crops, and was pleased to see that they were encouraging. The office opened on the 4th January 1897 at Sukkur, having marched to that place during the Christmas holidays from Dadu.

169. After inspecting the excellent natural and artificial reproduction of the year in the forests round about Sukkur, camp was moved to Mari, where the outlines of a working plan for the Rohri fuel reserves were discussed and decided on with Mr. O. H. L. Napier, the Divisional Forest Officer. Keeping along the left bank and marching rapidly through the Sadhuja, Ghotki and Mirpur Ranges, in which extensive cultural operation had been carried on during the preceding inundation season, I crossed over to the right bank of the river from Tando Nijabat on the 27th, and, after visiting the forests of the Kashmor and Abad Ranges, reached Shikarpur on the 8th February. The Kot Sultan plantation was carefully examined on the 9th, and it was noticed that, although the unprecedented frosts of the year had checked somewhat the young babul growth, its condition was on the whole satisfactory.

170. Leaving the Sukkur Division on the 13th February, the forests of the Naushahro Abro Range were next inspected, in which the damage by browsers unhappily appeared to have not been checked to the extent I should like to see, and I arrived at Akil near Larkana on the night of the 17th. Here, boats were procured to enable me to move faster, and with the office I went down stream in them, halting wherever necessary to inspect the forests in the Kandiaro and Sehwan Ranges on the left bank as I passed to Butho forest, which was reached on the 28th February.

171. After spending a fortnight in the very important forests of the Unarpur Range, I commenced the inspection of the Jerruck Division with the Veran Range on the 15th March in company of Mr. G. K. Betham, the Divisional Forest Officer, and noticed with satisfaction that the reproduction in the coupes exploited in the preceding working season left nothing to be desired, and was excellent. The Tatta Range was next examined, in which my attention had to be devoted to the selection of coupes for the coming year. Crossing the river by the steam ferry at the Baghyar Canal mouth on the 31st March, I passed by quick stages through the Shahbandar, Penah, Mulchand and Katyar Ranges, and returned to Karachi on the 15th April.

Examination of Divisional records.

172. The records and accounts of all Divisional Forest Officers were examined during the year, and no serious mistakes were discovered.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

*Sind Forest Circle Office,*
*Camp Miani, 9th November* 1897.

FORM No. 46.

# FORM No. 46.

## FOREST DEPARTMENT, SIND CIRCLE.

*Area of Reserved Forests*, 1896-97.

| Division or Range. (1) | Civil District or Territory. (2) | Name of Forest. (3) | Area on 1st July 1896. Acres. (4) | Area on 1st July 1896. Equivalent in square miles. (5) | Added during the year. Acres. (6) | Excluded or transferred to other heads. Acres. (7) | Area on 30th June 1897. Acres. (8) | Area on 30th June 1897. Equivalent in square miles. (9) | No. and date of Notification of addition or transfer. (10) | Remarks. (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| Sukkur ... | Shikarpur ... | Raoti ... ... ... | 8,129 | 12·449 | ..... | ..... | 8,129 | 12·449 | | In last year, the area of waste forest was included in that of the Raoti Forest, but has been now separated. |
| | | Wasti ... ... ... | 2,315 | 3·395 | ..... | ..... | 2,315 | 3·395 | | |
| | | Daresh ... ... ... | 1,725 | 2·445 | ..... | ..... | 1,725 | 2·445 | | |
| | | Ubauro ... ... ... | 3,150 | 4·590 | ..... | ..... | 3,150 | 4·590 | | |
| | | Mirpur ... ... ... | 7,251 | 11·211 | ..... | ..... | 7,251 | 11·211 | | |
| | | Raharki .. ... ... | 1,654 | 2·374 | ..... | ..... | 1,654 | 2·374 | | |
| | | Reti ... ... ... | 2,388 | 3·468 | ..... | ..... | 2,388 | 3·468 | | |
| | | Rangu ... ... ... | 972 | 1·332 | ..... | ..... | 972 | 1·332 | | |
| | | Narli ... ... ... | 1,376 | 2·96 | ..... | ..... | 1,376 | 2·96 | | |
| | | Sarhad ... ... ... | 3,696 | 5·493 | ..... | ..... | 3,693 | 5·493 | | In previous years, the area of the Atal Forest was included in that of the Sarhad Forest, but has now been separated. |
| | | Atal ... ... ... | 1,171 | 1·531 | ..... | ..... | 1,171 | 1·531 | | |
| | | Islam ... ... ... | 2,064 | 3·144 | ..... | ..... | 2,064 | 3·144 | | |
| | | Jehanpur ... ... | 4,661 | 7·181 | ..... | ..... | 4,661 | 7·181 | | |
| | | Bahab ... ... ... | 8,985 | 14·25 | ..... | ..... | 8,985 | 14·25 | | |
| | | Budh ... ... ... | 1,217 | 1·577 | ..... | ..... | 1,217 | 1·577 | | |
| | | Sadhuja... ... ... | 7,670 | 11·630 | ..... | ..... | 7,670 | 11·630 | | |
| | | Shahpur... ... ... | 11,215 | 17·335 | ..... | ..... | 11,215 | 17·335 | | |
| | | Husenbeli ... ... | 3,407 | 5·207 | ..... | ..... | 3,407 | 5·207 | | |
| | | Pawhari ... ... | 587 | ·587 | ..... | ..... | 587 | ·587 | | |
| | | Azizpur ... ... | 880 | 1·240 | ..... | ..... | 880 | 1·240 | | |
| | | Ding ... ... ... | 1,543 | 2·263 | ..... | ..... | 1,543 | 2·263 | | |
| | | Saydpur ... ... | 8,400 | 13·80 | ..... | ..... | 8,400 | 13·80 | | |
| | | Rohri ... ... ... | 13,119 | 20·319 | ..... | ..... | 13,119 | 20·319 | | |
| | | Sultanpur ... ... | 1,753 | 2·473 | ..... | ..... | 1,753 | 2·473 | | |
| | | Saliani ... ... ... | 5,014 | 7·534 | ..... | ..... | 5,014 | 7·534 | | |
| | | Ghotki ... ... ... | 6,012 | 9·252 | ..... | ..... | 6,012 | 9·252 | | In past years, the areas of the Bandh and Laluwali Forests was included in that of the Ghotki Forset. It has now been separated. |
| | | Bandh ... ... ... | 1,060 | 1·420 | ..... | ..... | 1,060 | 1·420 | | |
| | | Laluwali... ... ... | 835 | 1·195 | ..... | ..... | 835 | 1·195 | | |
| | | Adilpur... ... ... | 13,757 | 21·317 | ..... | ..... | 13,757 | 21·317 | | |
| | | Walu Mahar ... ... | 2,648 | 4·88 | ..... | ..... | 2,648 | 4·88 | | |
| | | Samowah ... ... | 2,252 | 3·332 | ..... | ..... | 2,252 | 3·332 | | |
| | | Wasir ... ... ... | 1,417 | 2·137 | ..... | ..... | 1,417 | 2·137 | | |
| | | Jarwar ... ... ... | 2,839 | 4·279 | ..... | ..... | 2,839 | 4·279 | | |
| | | Abad ... ... ... | 5,604 | 8·484 | ..... | ..... | 5,604 | 8·484 | | |
| | | Kadurni Bindi ... ... | 2,306 | 3·386 | ..... | ..... | 2,306 | 3·386 | | |
| | | Khia Bindi ... ... | 3,118 | 4·558 | ..... | ..... | 3,118 | 4·558 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Upper Sind Frontier. | Shah ... ... | 13,433 | 20·633 | ..... | ..... | 13,433 | 20·633 | |
| | | Bindi Dhareja ... ... | 6,866 | 10·466 | ..... | ..... | 6,866 | 10·466 | |
| | | Kadrapur ... ... | 2,564 | 4·4 | ..... | ..... | 2,564 | 4·4 | |
| | | Mohro mari ... ... | 11,857 | 18·337 | ..... | ..... | 11,857 | 18·337 | |
| | | Andal-dal ... ... | 12,104 | 18·584 | ..... | ..... | 12,104 | 18·584 | |
| | | Bagarji ... ... ... | 13,884 | 21·444 | ..... | ..... | 13,884 | 21·444 | |
| | | Lakhi ... ... ... | 3,614 | 5·414 | ..... | ..... | 3,614 | 5·414 | |
| | | Garhi Halim ... ... | 2,096 | 3·176 | ..... | ..... | 2,096 | 3·176 | |
| | | Raiswah ... ... | 905 | 1·265 | ..... | ..... | 905 | 1·265 | |
| | | Kot Sultan ... ... | 17,342 | 27·62 | ..... | ..... | 17,342 | 27·62 | |
| | | Abad ... ... ... | 985 | 1·345 | ..... | ..... | 985 | 1·345 | |
| | | Mehrabpur ... ... | 996 | 1·356 | ..... | ..... | 996 | 1·356 | |
| | | Dilawarpur ... ... | 925 | 1·285 | ..... | ..... | 925 | 1·285 | |
| | | Milkiat Sarkar ... ... | 1,923 | 3·3 | ..... | ..... | 1,923 | 3·3 | |
| | | Bakapur ... ... | 9,839 | 15·239 | ..... | ..... | 9,839 | 15·239 | |
| | | Balochabad ... ... | 765 | 1·125 | ..... | ..... | 765 | 1·125 | |
| | | Gondak ... ... ... | 5,076 | 7·596 | ..... | ..... | 5,076 | 7·596 | |
| | | Jangan ... ... ... | 2,291 | 3·371 | ..... | ..... | 2,291 | 3·371 | |
| | | Keti Sadhuja ... ... | 6,001 | 9·241 | ..... | ..... | 6,001 | 9·241 | |
| | | Jamshero ... ... | 6,616 | 10·216 | ..... | ..... | 6,616 | 10·216 | |
| | | Gihilpur ... ... | 4,887 | 7·407 | ..... | ..... | 4,887 | 7·407 | |
| | | Gandher... ... ... | 1,677 | 2·397 | ..... | ..... | 1,677 | 2·397 | |
| | | Badani ... ... ... | 772 | 1·132 | ..... | ..... | 772 | 1·132 | |
| | | Makhan Belo ... ... | 629 | ·629 | ..... | ..... | 629 | ·629 | |
| | | New Gublo ... ... | 7,870 | 12·190 | ..... | ..... | 7,870 | 12·190 | |
| | | Sundrani ... ... | 2,752 | 4·192 | ..... | ..... | 2,752 | 4·192 | |
| | | Daho ... ... ... | 1,361 | 2·81 | ..... | ..... | 1,361 | 2·81 | |
| | | Wahidpur ... ... | 1,501 | 2·221 | ..... | ..... | 1,501 | 2·221 | |
| | | Total, Sukkur Division ... | 287,718 | 449·358 | ..... | ..... | 287,718 | 449·358 | |
| Kaushahro ... | Shikarpur ... | Garhi Yasin ... ... | 25,328 | 39·368 | ..... | ..... | 25,328 | 39·368 | |
| | | Madeji ... ... ... | 4,213 | 6·373 | 2,071 | ..... | 6,284 | 9·524 | |
| | | Dosu ... ... ... | 5,138 | 8·18 | ..... | ..... | 5,138 | 8·18 | G. R. No. 4501 A of 8th June 1896. |
| | | Keti Ubhuro ... ... | 5,575 | 8·455 | ..... | ..... | 5,575 | 8·455 | |
| | | Kanuri ... ... ... | 3,630 | 5·430 | ..... | ..... | 3,630 | 5·430 | |
| | | Sharifpur ... ... | 1,027 | 1·387 | ..... | ..... | 1,027 | 1·387 | |
| | | Bahman... ... ... | 1,547 | 2·267 | ..... | ..... | 1,547 | 2·267 | |
| | | Nao-abad ... ... | 2,205 | 3·285 | ..... | ..... | 2,205 | 3·285 | |
| | | Amrot ... ... ... | 11,684 | 18·164 | ..... | ..... | 11,684 | 18·164 | |
| | | Muso ... ... ... | 4,755 | 7·275 | ..... | ..... | 4,755 | 7·275 | |
| | | Abrepota ... ... | 1,309 | 2·29 | ..... | ..... | 1,309 | 2·29 | |
| | | Kacho Beli Gaji ... ... | 1,127 | 1·487 | ..... | ..... | 1,127 | 1·487 | |
| | | Kacho Akil ... ... | 271 | ·271 | ..... | ..... | 271 | ·271 | |
| | | Kasim Shah ... ... | 2,056 | 3·136 | ..... | ..... | 2,107 | 3·187 | |
| | | Nari ... ... ... | 1,419 | 2·139 | ..... | ..... | 1,419 | 2·139 | |
| | | Budho-dero ... ... | 1,555 | 2·275 | ..... | ..... | 1,555 | 2·275 | |
| | | Soi ... ... ... | 5,108 | 7·628 | ..... | ..... | 5,108 | 7·628 | |
| | | Gajidero ... ... | 4,238 | 6·398 | ..... | ..... | 4,333 | 6·493 | |
| | | Ghangharko ... ... | 5,849 | 9·89 | ..... | ..... | 5,849 | 9·89 | |

| Division or Range. | Civil District or Territory. | Name of Forest. | Area on 1st July 1895. | | Added during the year. | Excluded or transferred to other heads. | Area on 30th June 1896. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Naushahro—*continued.* | Hyderabad ... | Khairo-dero ... ... | 13,073 | 20·273 | ..... | ..... | 13,073 | 20·273 | | |
| | | Lalia ... ... ... | 4,192 | 6·352 | ..... | ..... | 4,192 | 6·352 | | |
| | | Bhour and Musodero ... | 10,902 | 17·22 | | | 11,010 | 17·130 | G. R. No. 3779 of 11th May 1897. | |
| | | Mohbatdero and Lundi ... | 8,796 | 13·476 | ..... | ..... | 8,796 | 13·476 | Do. | |
| | | Samtia ... ... ... | 3,390 | 5·190 | | ..... | 3,418 | 5·218 | | |
| | | Kamaldero ... ... | 1,365 | 2·85 | ..... | ..... | 1,365 | 2·85 | | |
| | | Bhorti ... ... ... | 10,790 | 16·550 | ..... | ..... | 10,790 | 16·550 | | |
| | | Dalipota ... ... ... | 867 | 1·227 | ..... | ..... | 867 | 1·227 | | |
| | | Bhand Mari Bindi Sono and Abad ... ... ... | 3,149 | 4·589 | ..... | ..... | 3,149 | 4·589 | | |
| | Karachi ... | Karampur ... ... | 2,924 | 4·364 | ..... | ..... | 2,924 | 4·364 | | |
| | | Kandi Baghban ... ... | 1,947 | 3·27 | ..... | ..... | 1,947 | 3·27 | | |
| | | Bhan ... ... ... | 1,138 | 1·498 | ..... | ..... | 1,138 | 1·498 | | |
| | | Phaka ... ... ... | 2,207 | 3·287 | ..... | ..... | 2,207 | 3·287 | | |
| | | Kalu-bori ... ... | 748 | 1·108 | ..... | ..... | 748 | 1·108 | | |
| | | Pipri ... ... ... | 925 | 1·285 | ..... | ..... | 925 | 1·285 | | |
| | | Total, Naushahro Division ... | 154,447 | 241·207 | 2,353 | ..... | 156,800 | 245·0 | | |
| | | Lakhat ... ... | 6,380 | 9·620 | ..... | ..... | 6,380 | 9·620 | | |
| | | Kot Dhingano ... ... | 123 | ·123 | ..... | ..... | 123 | ·123 | | |
| | | Lakhat ... ... ... | 295 | ·295 | ..... | ..... | 295 | ·295 | | |
| | | Kacho Lakha ... ... | 590 | ·590 | ..... | ..... | 590 | ·590 | | |
| | | Bahawal Shah ... ... | 1,518 | 2·238 | ..... | ..... | 1,518 | 2·238 | | |
| | | Nasri ... ... ... | 1,556 | 2·276 | ..... | ..... | 1,556 | 2·276 | | |
| | | Mad ... ... ... | 2,642 | 4·82 | ..... | ..... | 2,642 | 4·82 | | |
| | | Kacho Mad ... ... | 583 | ·583 | ..... | ..... | 583 | ·583 | | |
| | | Kacho Mahrabpur ... | 1,028 | 1·388 | ..... | ..... | 1,028 | 1·388 | | |
| | | Mahrabpur ... ... | 3,338 | 5·138 | ..... | ..... | 3,338 | 5·138 | | |
| | | Mari ... ... ... | 14,753 | 23·33 | ..... | ..... | 14,753 | 23·33 | | |
| | | Pai ... ... ... | 5,130 | 8·10 | ..... | ..... | 5,130 | 8·10 | | |
| | | Keti Jurio ... ... | 2,125 | 3·205 | ..... | ..... | 2,125 | 3·205 | | |
| | | Nakur ... ... ... | 331 | ·331 | ..... | ..... | 331 | ·331 | | |
| | | Rano ... ... ... | 1,627 | 2·347 | ..... | ..... | 1,627 | 2·347 | | |
| | | Amin Lakho ... ... | 578 | ·578 | ..... | ..... | 578 | ·578 | | |
| | | Kunar ... ... ... | 1,695 | 2·415 | ..... | ..... | 1,695 | 2·415 | | |
| | | Kari ... ... ... | 3,239 | 5·39 | ..... | ..... | 3,239 | 5·39 | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hyderabad... | Hyderabad ... | Rishal ... ... ... | 682 | 1·42 | ..... | ..... | 682 | 1·42 | | |
| | | Nur Keti ... ... | 4,061 | 6·221 | ..... | ..... | 4,061 | 6·221 | | |
| | | Bhanot ... ... ... | 2,021 | 3·101 | ..... | ..... | 2,021 | 3·101 | | |
| | | Shorki ... ... ... | 2,283 | 3·363 | ..... | ..... | 2,283 | 3·363 | | |
| | | Keti Sidik ... ... | 8,666 | 13·346 | ..... | ..... | 8,666 | 13·346 | | |
| | | Khanot ... ... | | | | | | | | |
| | | Keti Khasai ... ... | | | | | | | | |
| | | Kacho Khanot ... ... | 2,735 | 4·175 | ..... | ..... | 2,735 | 4·175 | | |
| | | Ghotana ... ... | 1,409 | 2·129 | ..... | ..... | 1,409 | 2·129 | | |
| | | Salaro ... ... ... | 1,536 | 2·256 | ..... | ..... | 1,536 | 2·256 | | |
| | | Murid Rais ... ... | 2,948 | 4·388 | ..... | ..... | 2,948 | 4·388 | | |
| | | Khebrani ... ... | 760 | 1·120 | ..... | ..... | 760 | 1·120 | | |
| | | Sekhat ... ... .. | 2,080 | 3·160 | ..... | ..... | 2,080 | 3·160 | | |
| | | Jakhri ... ... ... | 1,926 | 3·6 | ..... | ..... | 1,926 | 3·6 | | |
| | | Matiari ... ... ... | 5,354 | 8·234 | ..... | ..... | 5,354 | 8·234 | | |
| | | Ghali ... ... ... | 3,694 | 5·494 | ..... | ..... | 3,694 | 5·494 | | |
| | | Miani ... ... ... | 4,917 | 7·437 | ..... | ..... | 4,917 | 7·437 | | |
| | | Kachri ... ... ... | 756 | 1·116 | ..... | ..... | 756 | 1·116 | | |
| | | Gundi ... ... ... | 2,150 | 3·230 | ..... | ..... | 2,150 | 3·230 | | |
| | | Muhammed Khan ... | 181 | ·181 | ..... | ..... | 181 | ·181 | | |
| | | Hingorani ... ... ... | 101 | ·101 | ..... | ..... | 101 | ·101 | | |
| | | Elchi ... ... ... | 187 | ·187 | ..... | ..... | 187 | ·187 | | |
| | | Jamshoro ... ... | 292 | ·292 | ..... | ..... | 292 | ·292 | | |
| | | Shah Makai ... ... | 314 | ·314 | ..... | ..... | 314 | ·314 | | |
| | | Keti Mehrani ... ... | 5,523 | 8·403 | ..... | 5,523 | ..... | ..... | | |
| | Karachi ... | Giderji ... ... ... | 855 | 1·215 | ..... | ..... | 855 | 1·215 | | Transferred to Jerruck Division. |
| | | Butho ... ... ... | 7,748 | 12·68 | ..... | ..... | 7,748 | 12·68 | | |
| | | Lakha ... ... ... | 250 | ·250 | ..... | ..... | 250 | ·250 | | |
| | | Manjhand ... ... | 1,539 | 2·259 | ..... | ..... | 1,539 | 2·259 | | |
| | | Unarpur ... ... | 10,705 | 16·465 | ..... | ..... | 10,705 | 16·465 | | |
| | | Ghag ... ... ... | 1,296 | 2·16 | ..... | ..... | 1,296 | 2·16 | | |
| | | Karokhbo ... ... | 1,701 | 2·421 | ..... | 1,701 | ..... | ..... | | Do. |
| | | Total, Hyderabad Division ... | 126,201 | 197·121 | ..... | 7,224 | 118,977 | 185·577 | | |
| Jerruck ... | Karachi ... | Viran ... ... ... | 9,142 | 14·182 | ..... | ..... | 9,142 | 14·182 | | |
| | | Sonda ... ... ... | 2,114 | 3·194 | ..... | ..... | 2,114 | 3·194 | | |
| | | Hilaya ... ... ... | 2,898 | 4·338 | ..... | ..... | 2,898 | 4·338 | | |
| | | Lalang ... ... ... | 5,151 | 8·31 | ..... | ..... | 5,151 | 8·31 | | |
| | | Ali Ganj ... ... | 723 | 1·83 | 6 | ..... | 729 | 1·89 | G. R. No. 7031 of 22nd August 1894. | Omitted from Form No. 46 of 1894. |
| | | Shah Lonko ... ... | 1,690 | 2·410 | ..... | ..... | 1,690 | 2·410 | | |
| | | Kach Shah Lonko ... | 313 | ·313 | ..... | ..... | 313 | ·313 | | |
| | | Keti Mahrani ... ... | ... | ..... | 5,523 | ..... | 5,523 | 8·403 | | Transferred from Hyderabad Division. |
| | | Karokho ... ... | ..... | ..... | 1,701 | ..... | 1,701 | 2·421 | | |
| | | Bao Purandas ... ... | 6,413 | 10·13 | 14 + 82 | ..... | 6,509 | 10·109 | G. R. No. 6275 of 10th August 1896. | |
| | | Bijora ... ... ... | 6,075 | 9·315 | ..... | ..... | 6,075 | 9·315 | | |
| | | Garko ... ... ... | 4,079 | 6·239 | ..... | ..... | 4,079 | 6·239 | G. R. No. 7031 of 22nd August 1894. | *Vide* remarks against Ali Ganj Forest. |
| | | Chhachh... ... ... | 3,556 | 5·356 | ..... | ..... | 3,556 | 5·356 | | |
| | | Sadnani... ... ... | 863 | 1·223 | ..... | ..... | 863 | 1·223 | | |

| Division or Range. | Civil District or Territory. | Name of Forest. | Area on 1st July 1895. | | Added during the year. | Excluded or transferred to other heads. | Area on 30th June 1897. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Jerruck—*continued.* | Karachi—*continued.* | Malir ... ... ... | 24 | ·24 | ..... | ..... | 24 | ·24 | | |
| | | Kotri Alahrakhio Shah ... | 2,000 | 3·80 | ..... | ..... | 2,000 | 3·80 | | |
| | | Marho Kotri ... ... | 2,409 | 3·489 | ..... | ..... | 2,409 | 3·489 | | |
| | | Dhand Shakrani ... ... | 56 | ·56 | ..... | ..... | 56 | ·56 | | |
| | | Khanani ... ... | 2,551 | 3·631 | ..... | ..... | 2,551 | 3·631 | | |
| | | Achh/Marho and Kacho Alah-baksh. | 3,392 | 5·192 | ..... | ..... | 3,392 | 5·192 | | |
| | | Kacho Ali Bahar ... ... | 4,000 | 6·160 | ..... | ..... | 4,000 | 6·160 | | |
| | | Ganj ... ... ... | 2,228 | 3·308 | ..... | ..... | 2,228 | 3·308 | | |
| | | Hazari ... ... ... | 2,483 | 3·563 | ..... | ..... | 2,483 | 3·563 | | |
| | | Makhulo... ... ... | 496 | 496 | ..... | ..... | 496 | ·496 | | |
| | | Kacho Pawhar ... ... | 723 | 183 | ..... | ..... | 723 | 1·83 | | |
| | | Kacho Surjani ... .. | 3,818 | 5·618 | ..... | ..... | 3,818 | 5·618 | | |
| | | Kot Almo ... ... | 2,335 | 3·415 | ..... | ..... | 2,335 | 3·415 | | |
| | | Penah ... ... ... | 6,169 | 9·409 | ..... | ..... | 6,169 | 9·409 | | |
| | | Susati ... ... ... | 43 | ·43 | ..... | ..... | 43 | ·43 | | |
| | | Khirsar ... ... ... | 1,380 | 2·100 | ..... | ..... | 1,380 | 2·100 | | |
| | | Huderani ... ... | 5,511 | 8·391 | ..... | ..... | 5,511 | 8·391 | | |
| | | Surjani ... ... ... | 1,387 | 2·107 | ..... | ..... | 1,387 | 2·107 | | |
| | | Jorar ... ... ... | 6,613 | 10·213 | ..... | ..... | 6,613 | 10·213 | | |
| | | Khadi ... ... ... | 4,500 | 7·20 | ..... | ..... | 4,500 | 7·20 | | |
| | | Phatah ... ... ... | 258 | ·258 | ..... | ..... | 258 | ·258 | | |
| | | Mulchand ... ... | 5,454 | 8·334 | ..... | ..... | 5,454 | 8·334 | | |
| | Hyderabad ... | Budka Takar ... ... | 975 | 1·335 | ..... | ..... | 975 | 1·335 | | |
| | | Husri ... ... ... | 420 | ·420 | ..... | ..... | 420 | ·420 | | |
| | | Khatro ... ... ... | 416 | ·416 | ..... | ..... | 416 | ·416 | | |
| | | Khathar ... ... | 2,975 | 4·415 | ..... | ..... | 2,975 | 4·415 | | |
| | | Katiar ... ... ... | 952 | 1·312 | ..... | ..... | 952 | 1·312 | | |
| | | Khirdahi ... ... | 290 | ·290 | ..... | ..... | 290 | ·290 | | |
| | | Tikhur ... ... ... | 1,709 | 2·429 | ..... | ..... | 1,709 | 2·429 | | |
| | | Khokhar ... ... | 1,556 | 2·276 | ..... | ..... | 1,556 | 2·276 | | |
| | | Total, Jerruck Division ... | 110,140 | 172·60 | 7,326 | .. ... | 117,466 | 183·346 | | |
| | | Grand Total ... | 678,506 | 1,060·106 | 9,679 | 7,224 | 680,961 | 1,064·1 | | |

F. R. DASAI,

Conservator of Forests,
Sind Circle.

FORM No. 46-A.

FOREST DEPARTMENT, SIND CIRCLE.

*Area of Protected Forests*, 1896-97.

| Division. | Civil District or Territory. | Name of Forest. | Area on 1st July 1896. | | Added during the year. | Excluded or transferred to other heads. | Area on 30th June 1897. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| | | *I. Protected Forests.* | | | | | | | | |
| Sukkur ... | Upper Sind Frontier ... | Dickinson ... | 585 | ·585 | ... | ... | 585 | ·585 | | |
| Naushahro ... | Karachi... ... ... | Karampur ... Shahgar Dhandhan. | 2,347 | 3·427 | ... | 2,347 | ... | ... | | As this area has not been notified as Protected Forest under the Indian Forest Act, it has been shown under Unclassed Forests. *Vide* above remarks. |
| | | *II. Unclassed Forests.* | | | | | | | | |
| Naushahro ... | Karachi... ... ... | Karampur ... Shahgar Dhandhan. | ... | ... | 2,347 | ... | 2,347 | 3·427 | | |
| | | Total ... | 2,932 | 4 372 | 2,347 | 2,347 | 2,932 | 4·372 | | |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

## FORM No. 48.

### Forest Department, Sind Circle.

*Record of Demarcation and Maintenance of Boundaries, 1896-97.*

| Division. (1) | Length of boundaries artificially demarcated during the year. (2) | | Length of previously existing boundaries repaired. (3) | | Length of previously existing boundaries not repaired. (4) | | Total length of artificially marked boundaries at the close of the year. (5) | | Length of boundaries not demarcated at the close of the year. (6) | | Length of natural boundaries not requiring artificial marks. (7) | | Total length of boundaries at the close of the year. (8) | | Expenditure on demarcation during the year. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | On new work. (9) | On repairs. (10) |
| | M. | Ft. | M. | Ft. | M | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | Rs. | Rs. |
| Sukkur ... ... | ... | | 964 | 825 | ... | | 964 | 825 | ... | | 142 | 468 | 1106 | 1293 | ... | ... |
| Naushahro ... ... | 1 | 4620 | 19 | 3308 | 425 | 2582 | 446 | 5230 | 28 | 4290 | 96 | 201 | 571 | 4441 | 3 | ... |
| Hyderabad ... ... | 47 | 1510 | 196 | 4892 | ... | | 244 | 1122 | 26 | 0 | 163 | 150 | 433 | 1272 | 79 | ... |
| Jerruck ... ... | 32 | 0 | 194 | 440 | ... | | 226 | 440 | 9 | 0 | 155 | 1760 | 390 | 2200 | 158 | ... |
| | 81 | 850 | 1374 | 4185 | 425 | 2582 | 1881 | 2337 | 63 | 4290 | 556 | 2579 | 2501 | 3926 | 240 | ... |

*N.B.*—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments coupes.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

M 99—13

# ANNUAL FORM No. 52.

## Forest Department, Sind Circle.

*Prosecutions for breaches of Forest Rules during* 1896-97.

| Forest Division and Civil District. (1) | | Cases pending from 1895-96. (2) | New Cases of the Year. Injury to forest by fire. (3) | Unauthorised felling or appropriation of wood and minor forest produce. (4) | Grazing without permission or in tracts in which grazing is prohibited. (5) | Other offences. (6) | Total new cases of the year. (7) | Total Cases. (8) | Disposed of during the Year. Convictions. Cases. (9) | Convictions. Persons. (10) | Acquittals. Cases. (11) | Acquittals. Persons. (12) | Total. Cases. (13) | Total. Persons. (14) | Cases pending at close of year. (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sukkur ... ... | A ... | 9 | 3 | 6 | 7 | 15 | 31 | 40 | 19 | 22 | 9 | 49 | 28 | 71 | 12 |
| | B ... | ... | ... | 50 | 1,151 | 3 | 1,204 | 1,204 | 1,204 | ) | ... | ... | 1,204 | 1,204 | ... |
| | C ... | ... | 25 | 26 | ... | ... | 51 | 51 | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 9 | 28 | 82 | 1,158 | 18 | 1,286 | 1,295 | 1,223 | 1,226 | 9 | 49 | 1,232 | 1,275 | 12 |
| Naushahro ... ... | A ... | 8 | 1 | 3 | ... | 10 | 14 | 22 | 11 | 20 | 4 | 6 | 15 | 26 | 7 |
| | B ... | ... | ... | 83 | 155 | ... | 238 | 238 | 238 | 238 | ... | ... | 238 | 238 | ... |
| | C ... | ... | 12 | ... | ... | ... | 12 | 12 | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 8 | 13 | 86 | 155 | 10 | 264 | 272 | 249 | 258 | 4 | 6 | 253 | 264 | 7 |
| Hyderabad ... ... | A ... | 4 | ... | 8 | 1 | 2 | 11 | 15 | 2 | 2 | 3 | 22 | 5 | 24 | 10 |
| | B ... | ... | ... | 50 | 405 | 1 | 456 | 456 | 456 | 456 | ... | ... | 456 | 456 | ... |
| | C ... | ... | ... | 14 | ... | ... | 14 | 14 | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 4 | ... | 72 | 406 | 3 | 481 | 485 | 458 | 458 | 3 | 22 | 461 | 480 | 10 |
| Jerruck ... ... | A ... | 1 | 1 | 1 | ... | 2 | 4 | 5 | 2 | 3 | 2 | 3 | 4 | 6 | 1 |
| | B ... | ... | ... | 24 | 240 | ... | 264 | 264 | 264 | 264 | ... | ... | 264 | 264 | ... |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 1 | 1 | 25 | 240 | 2 | 268 | 269 | 266 | 267 | 2 | 3 | 268 | 270 | 1 |
| Total of the Circle ... | A ... | 22 | 5 | 18 | 8 | 29 | 60 | 82 | 34 | 47 | 18 | 80 | 52 | 127 | 30 |
| | B ... | ... | ... | 207 | 1,951 | 4 | 2,162 | 2,162 | 2,162 | 2,162 | ... | ... | 2,162 | 2,162 | ... |
| | C ... | ... | 37 | 40 | ... | ... | 77 | 77 | ... | ... | ... | ... | ... | ... | ... |
| | Grand Total ... | 22 | 42 | 265 | 1,959 | 33 | 2,299 | 2,321 | 2,196 | 2,209 | 18 | 80 | 2,214 | 2,289 | 30 |

*N.B.*—A means cases taken into Court.
B means cases disposed of under Section 67 of the Indian Forest Act.
C means undetected cases.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

FORM No. 53.

FOREST DEPARTMENT, SIND CIRCLE.

*Area of Forest tracts protected from Fire during* 1895-96.

| Division. | Forest tracts. | Year in which protection commenced. | Area protected during 1894-95. | Area attempted to be protected. | Failures. | Area actually protected. | REMARKS. |
|---|---|---|---|---|---|---|---|
| | | | Acres. | Acres. | Acres. | Acres. | |
| Sukkur ... ... | Mirpur ... ... ... | Not known ... | 44,476 | 45,625 | 934 | 44,691 | |
| | Ghotki ... ... ... | | 30,726 | 30,820 | 42 | 30,778 | |
| | Sadhuja ... ... ... | | 59,437 | 63,790 | 409 | 63,381 | |
| | Abad ... ... ... | | 45,154 | 45,748 | 3 | 45,745 | |
| | Kashmor ... ... ... | 1895-96 ... | 36,171 | 36,357 | ..... | 36,357 | |
| | Sukkur ... ... ... | Not known ... | 31,421 | 31,698 | 27 | 31,671 | |
| | Kot Sultan ... ... | 1885-86 ... 1887-88 ... | 34,265 | 34,265 | 1 | 34,264 | |
| Naushahro ... ... | Kandiaro ... ... ... | Not known ... | 39,250 | 39,395 | 9 | 39,386 | |
| | Sehwan ... ... ... | | 27,003 | 27,153 | 183 | 26,970 | |
| | Larkana ... ... ... | | 38,174 | 38,268 | 87 | 38,181 | |
| | Naushahro Abro ... | 1894-95 ... | 29,486 | 31,612 | 2 | 31,610 | |
| | Tigir ... ... ... | 1895-96 ... | 20,196 | 20,474 | ..... | 20,474 | |
| Hyderabad ... ... | Sakrand ... ... ... | Not known ... | 9,660 | 10,160 | 226 | 9,934 | The old Rano and Miani Ranges have been split up into three Ranges, *viz.*, Sakrand, Hala and Miani. |
| | Hala ... ... ... | | 3,731 | 5,103 | 139 | 4,964 | |
| | Miani ... ... ... | | 1,100 | 1,100 | ..... | 1,100 | |
| | Unarpur ... ... ... | | 12,329 | 13,050 | 876 | 12,174 | |
| Jerruck ... ... | Viran ... ... ... | Do. ... | 2,265 | 2,265 | ..... | 2,265 | The Viran, Ghorabari, Tatta and Shahbandar Ranges have been re-arranged. |
| | Ghorabari ... ... | | 4,802 | 4,802 | 713 | 4,089 | |
| | Penah ... ... | | 4,844 | 4,844 | 115 | 4,729 | |
| | Shahbandar ... ... | | 2,107 | 2,107 | 188 | 1,919 | |
| | Mulchand ... ... ... | | 3,441 | 3,441 | 21 | 3,420 | |
| | Katiar ... ... ... | | 1,603 | 1,603 | ..... | 1,603 | |
| | | Total ... | 481,641 | 493,680 | 3,975 | 489,705 | |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 54.

## FOREST DEPARTMENT, SIND CIRCLE.

*Area closed and open to Grazing during* 1896-97.

| Division. | Area in square miles | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Closed to all animals. | | | | Closed to browsers (camels, goats or sheep). | | Open to all animals. | Total Area. |
| | Whole year. | | Part of year. | | Whole year. | Part of year. | Whole year. | |
| 1 | 2 | | 3 | | 4 | 5 | 6 | 7 |
| *I Reserved Forests.* | Sqr. miles | acres. | Sqr. miles | acres. | Sqr. miles | acres. | Sqr. miles acres. | Sqr. miles acres. |
| Sukkur ... ... ... ... ... ... | 34 | 18 | 22 | 267 | 225 | 46 | ... | 168 27 | 449 358 |
| Naushahro ... ... ... ... ... ... | 10 | 113 | ... | | 99 | 480 | ... | 135 47 | 245 0 |
| Hyderabad ... ... ... ... ... ... | 29 | 298 | ... | | 36 | 188 | ... | 120 91 | 185 577 |
| Jerruck ... ... ... ... ... ... | 12 | 112 | ... | | 12 | 361 | ... | 158 513 | 183 346 |
| Total ... | 85 | 541 | 22 | 267 | 373 | 435 | ... | 582 38 | 1,064 1 |
| *II Protected Forests.* | | | | | | | | |
| Sukkur ... ... ... ... ... ... ... | ... | | ... | | ... | ... | 0 585 | 0 585 |
| *III Unclassed Forests.* | | | | | | | | |
| Naushahro... ... ... ... ... ... ... | ... | | ... | | ... | ... | 3 427 | 3 427 |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 55.

## Forest Department, Sind Circle.

*Return of Grazing in the State Forests during* 1895-96.

| Division. | Grazing on Payment. | | | | | | Number of Animals. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | At full rates. | | | | | | At privileged rates. | | | | | | |
| | Buffaloes. | Cows & Bullocks. | Goats and Sheep. | Camels. | Other animals. | Fees received. | Buffaloes. | Cows and Bullocks. | Goats and Sheep. | Camels. | Other animals. | Fees received. Actual. | Fees received. Value at full rates. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | Rs. | | | | | | Rs. | Rs. |
| Sukkur ... | 15,042 | 18,113 | 35,108 | 1,076 | 600 | 14,371 | 10,134 | 22,980 | 31,212 | 531 | 152 | 4.312 | 9,377 |
| Naushahro ... | 11,649 | 13,659 | 99,352 | 1,934 | 1,651 | 9,549 | ... | ... | ... | ... | ... | ... | ... |
| Hyderabad ... | 15,025 | 23,659 | 162,960 | 2,655 | 31 | 17.072 | ... | ... | ... | ... | ... | ... | ... |
| Jerruck ... | 11,690 | 16,795 | 72,558 | 3,965 | 147 | 12,619 | 2,133 | 1,955 | 402 | 148 | ... | 547 | 1,253 |
| Total ... | 53,406 | 72,226 | 369,978 | 9,630 | 2,429 | 53,611 | 12,267 | 24,935 | 31,614 | 679 | 152 | 4,859 | 10,630 |

| Division. | Grazing Free. | | | | | | Number of Animals. | | | | | | Grand Total of value at full rates. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | By right under Settlement. | | | | | | During pleasure of Government or otherwise than under Settlement. | | | | | Total value of fees at full rates. | |
| | Buffaloes. | Cows and Bullocks. | Goats and Sheep. | Camels. | Other animals. | Value of fees at full rates. | Buffaloes. | Cows and Bullocks. | Goats and Sheep. | Camels. | Other animals. | Value of fees at full rates. | |
| 1 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | | | | | | Rs. | | | | | | Rs. | Rs. | Rs. |
| Sukkur ... | 2,600 | 13,133 | ... | ... | 531 | 21,327 | ... | ... | ... | ... | ... | ... | 21,327 | 45,075 |
| Naushahro ... | 1,460 | 5,431 | ... | ... | 36 | 3,314 | 62 | 336 | 485 | ... | 519 | 536 | 3,850 | 13,399 |
| Hyderabad ... | ... | ... | ... | ... | ... | ... | 20 | 38 | ... | ... | ... | 88 | 88 | 17,160 |
| Jerruck ... | 535 | 836 | ... | ... | 18 | 2,161 | 36 | 111 | ... | ... | ... | 206 | 2,367 | 16,239 |
| Total ... | 4,595 | 19,400 | ... | ... | 585 | 26,802 | 118 | 485 | 485 | ... | 519 | 830 | 27,632 | 91,873 |

F. R. DASAI,

**Conservator of Forests,**

**Sind Circle.**

FORM No. 56.

FORM No. 56.

FOREST DEPARTMENT, SIND CIRCLE.

*Area of Plantations*, 1895-96.

| Division. | Name of Plantation. | Area in Acres. | | | | Receipts | Charges | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | On 1st July 1896. | Added during the year. | Excluded during the year. | Area on 30th June 1897. | Of the year. | | |
| | | | | | | Rs. | Rs. | |
| | *Regular Plantations.* | | | | | | | |
| Sukkur ... | Rahuja Nursery ... ... | 10 | ... | ... | 10 | 69 | 705 | |
| | Sadhuja Plantation ... | 34 | ... | 34 | ... | ... | ... | |
| | Sadhuja Nursery ... ... | ... | 2 | ... | 2 | ... | ... | |
| | Ghotki do. ... ... | 3 | ... | ... | 3 | ... | ... | |
| | Adilpur do. ... ... | ... | 1 | ... | 1 | ... | ... | |
| Naushahro ... | Phaka Nursery ... ... | 9 | ... | ... | 9 | ... | ... | |
| Hyderabad ... | Divi-Divi Plantation ... | 13 | ... | ... | 13 | 26 | 115 | |
| | Bamboo do. ... | 13 | ... | ... | 13 | ... | ... | |
| | Miani Bungalow, Mango and Monument Gardens ... | 12 | ... | ... | 12 | 254 | 738 | |
| Jerruck ... | Malir Plantation ... ... | 24 | ... | ... | 24 | 32 | 84 | |
| | Sonda Nursery ... ... | 5 | ... | ... | 5 | ... | ... | |
| | Total ... | 123 | 3 | 34 | 92 | 381 | 1,642 | |
| | *Cultural Operations.* | | | | | | | |
| Sukkur ... | Bindi Dhareja ... ... | 1,825 | 384 | ... | 2,209 | ... | ... | |
| | Shah ... ... ... | 218 | 51 | ... | 269 | ... | ... | |
| | Keti Shah ... ... | 535 | 320 | ... | 855 | ... | ... | 815 acres opened to grazing. |
| | Mohro Mari ... ... | 430 | 743 | 815 | 358 | ... | ... | 80 „ do. do. |
| | Khia Bindi ... ... | 80 | 130 | 80 | 130 | ... | ... | 400 „ do. do. |
| | Kadrapur ... ... | 1,020 | 336 | 400 | 956 | ... | ... | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Abad ... | ... | ... | 240 | 182 | 85 | 337 | ... | ... | 85 | „ | „ | „ |
| Sayadpur | ... | ... | 673 | 2,234 | ... | 2,907 | ... | ... | | | | |
| Sadhuja | ... | ... | 650 | 260 | ... | 910 | ... | ... | | | | |
| Bahab | ... | ... | 696 | 150 | ... | 846 | ... | ... | | | | |
| Shahpur | ... | ... | 948 | 146 | 320 | 774 | ... | ... | 320 | „ | „ | „ |
| Budh | ... | ... | 276 | 89 | 160 | 205 | ... | ... | 160 | „ | „ | „ |
| Keti Shahu | ... | ... | 303 | 157 | ... | 460 | ... | ... | | | | |
| Azizpur | ... | ... | 20 | 5 | ... | 25 | ... | ... | | | | |
| Ding | ... | ... | 218 | 82 | 128 | 172 | ... | ... | 128 | „ | „ | „ |
| Rohri | ... | ... | 619 | ... | ... | 619 | ... | ... | | | | |
| Saliani | ... | ... | 476 | ... | ... | 476 | ... | ... | | | | |
| Sultanpur | ... | ... | ... | 161 | ... | 161 | ... | ... | | | | |
| Adilpur | ... | ... | 2,048 | 658 | 1,800 | 906 | ... | ... | 1,800 | „ | „ | „ |
| Ghotki | ... | ... | 824 | 220 | 160 | 884 | ... | ... | 160 | „ | „ | „ |
| Wasir | ... | ... | ... | 165 | ... | 165 | ... | ... | | | | |
| Raoti | ... | ... | 80 | 643 | ... | 723 | ... | ... | | | | |
| Jehanpur | ... | ... | 176 | 399 | 176 | 399 | ... | ... | 176 | „ | „ | „ |
| Sarhad | ... | ... | 576 | 343 | 276 | 643 | ... | ... | 276 | „ | „ | „ |
| Mirpur | ... | ... | 1,216 | 500 | ... | 1,716 | ... | ... | | | | |
| Islam | ... | ... | 40 | 118 | ... | 158 | ... | ... | | | | |
| Jhanwar | ... | ... | 170 | 230 | 160 | 240 | ... | ... | | | | |
| Keti | ... | ... | 150 | 100 | ... | 250 | ... | ... | | | | |
| Narli | ... | ... | 40 | 94 | 40 | 94 | ... | ... | 40 | „ | „ | „ |
| Raharki | ... | ... | 4 | 225 | 4 | 225 | ... | ... | 4 | „ | „ | „ |
| Gondak | ... | ... | ... | 316 | ... | 316 | ... | ... | | | | |
| Atal | ... | ... | ... | 50 | ... | 50 | ... | ... | | | | |
| Gublo, old | ... | ... | 561 | 3 | 428 | 136 | ... | ... | | | | |
| Gublo, new | ... | ... | ... | 155 | ... | 155 | ... | ... | | | | |
| Gandher | ... | ... | ... | 180 | ... | 180 | ... | ... | | | | |
| Badani | ... | ... | ... | 17 | ... | 17 | ... | ... | | | | |
| Makhan | ... | ... | ... | 50 | ... | 50 | ... | ... | | | | |
| Sundrani | ... | ... | ... | 184 | ... | 184 | ... | ... | | | | |
| Gihilpur | ... | ... | ... | 84 | ... | 84 | ... | ... | | | | |
| Wahidpur | ... | ... | ... | 25 | ... | 25 | ... | ... | | | | |

| Division. | Name of Plantation. | Area in Acres. | | | | Receipts | Charges | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | On 1st July 1895. | Added during the year. | Excluded during the year. | Area on 30th June 1896. | Of the year. | | |
| | | | | | | Rs. | Rs. | |
| Sukkur—*contd.* | Garhi Halim ... ... | 225 | 27 | ... | 252 | ... | ... | |
| | Lakhi ... ... | 463 | 27 | ... | 490 | ... | ... | |
| | Andaldal ... ... | 1,542 | 85 | ... | 1,627 | ... | ... | |
| | Bagarji and Keti Bagarji ... | 1,519 | 355 | ... | 1,874 | ... | ... | |
| | Kot Sultan ... ... | 201 | 627 | ... | 828 | ... | ... | |
| | Bakapur ... ... | 2 | 35 | ... | 37 | ... | ... | |
| | Milkiat Sarkar ... ... | 3 | 10 | ... | 13 | ... | ... | |
| | Total, Sukkur Division ... | 19,067 | 11,355 | 5,032 | 25,390 | ... | ... | |
| Naushahro ... | Mohbatdero ... ... | 1,605 | 13 | 595 | 1,023 | ... | ... | 595 acres opened to grazing. |
| | Bhour ... ... | 2,094 | 22 | ... | 2,116 | ... | ... | |
| | Kamaldero ... ... | 100 | 30 | 50 | 80 | ... | ... | 50 do. |
| | Samtia ... ... | 410 | ... | 100 | 310 | ... | ... | 100 do. |
| | Bhorti ... ... | 749 | 169 | 220 | 698 | ... | ... | 220 do. |
| | Dalipota ... ... | 125 | ... | ... | 125 | ... | ... | |
| | Sino Bindi and Band Mari and Abad. | ... | 28 | ... | 28 | ... | ... | |
| | Karampur ... ... | 222 | 63 | ... | 285 | ... | ... | |
| | Khairodero No. I and II ... | 480 | 143 | ... | 623 | ... | ... | |
| | Lalia and Keti Lalia ... | 5 | 116 | ... | 121 | ... | ... | |
| | Bhan ... ... | 58 | 40 | ... | 98 | ... | ... | |
| | Kandi Baghban ... ... | ... | 8 | ... | 8 | ... | ... | |
| | Kalubori ... ... | ... | 25 | ... | 25 | ... | ... | |
| | Phaka ... ... | ... | 36 | ... | 36 | ... | ... | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Naoabad and Agani ... ... | 218 | ... | ... | 218 | ... | ... | |
| | Keti Ubhuro ... .. | 121 | 36 | ... | 157 | ... | ... | |
| | Amrot ... ... | 110 | ... | ... | 110 | ... | ... | |
| | Bahman ... ... | 10 | ... | ... | 10 | ... | ... | |
| | Dosu ... ... | 80 | 200 | ... | 280 | ... | ... | |
| | Kanuri ... ... | 47 | 10 | ... | 57 | ... | ... | |
| | Abrepota ... ... | 25 | 15 | ... | 40 | ... | ... | |
| | Muso ... ... | ... | 25 | ... | 25 | ... | ... | |
| | Beli Gaji ... ... | ... | 20 | ... | 20 | ... | ... | |
| | Nari ... ... | 5 | ... | 3 | 2 | ... | ... | 3 acres opened to grazing. |
| | Budhodero ... ... | 4 | ... | 4 | ... | ... | ... | 4 „ „ „ |
| | Ghangherko ... ... | 8 | ... | 7 | 1 | ... | ... | 7 „ „ „ |
| | Soi ... ... | ... | 7 | ... | 7 | ... | ... | |
| | Madeji ... ... | ... | 50 | ... | 50 | ... | ... | |
| | Total, Naushahro Division ... | 6,476 | 1,056 | 979 | 6,553 | ... | ... | |
| Hyderabad ... | Lakhat ... ... | ... | 4 | ... | 4 | ... | .. | |
| | Nasri ... ... | 740 | 155 | ... | 895 | ... | ... | |
| | Mad ... ... | 1,231 | 85 | ... | 1,316 | ... | ... | |
| | Mahrabpur ... ... | 950 | 209 | ... | 1,159 | ... | ... | |
| | Mari ... ... | 2,433 | 1,296 | ... | 3,729 | ... | ... | |
| | Keti Jurrio ... ... | 590 | 238 | ... | 828 | ... | ... | |
| | Pai ... ... | ... | 430 | ... | 430 | ... | ... | |
| | Amin Lakho ... ... | ... | 20 | ... | 20 | ... | ... | |
| | Rano ... ... | 190 | 47 | ... | 237 | ... | ... | |
| | Kunar ... ... | ... | 99 | ... | 99 | ... | ... | |
| | Rishal ... ... | ... | 65 | ... | 65 | ... | ... | |
| | Nurketi ... ... | 490 | 200 | ... | 690 | ... | ... | |
| | Bhanot, No. I ... ... | ... | 74 | ... | 74 | ... | ... | |
| | Kari ... ... | ... | 39 | ... | 39 | ... | ... | |
| | Bhanot, No. II ... ... | ... | 41 | ... | 41 | ... | ... | |
| | Khanot ... ... | 490 | 200 | ... | 690 | ... | ... | |
| | Ghotana ... ... | ... | 49 | ... | 49 | ... | ... | |

| Division. | Name of Plantation. | Area in Acres. | | | | Receipts | Charges | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | On 1st July 1895. | Added during the year. | Excluded during the year. | Area on 30th June 1896. | Of the year. | | |
| | | | | | | Rs. | Rs. | |
| Hyderabad—*continued.* | Salaro ... ... | 150 | 38 | ... | 188 | ... | ... | |
| | Murid Rais ... ... | 80 | 67 | ... | 147 | ... | ... | |
| | Sekhat and Khebrani ... | 50 | 55 | ... | 105 | ... | ... | |
| | Matiari and Jakhri ... | 2,010 | 414 | ... | 2,424 | ... | ... | |
| | Miani ... ... | 976 | 115 | ... | 1,091 | ... | ... | |
| | Muhammad Khan ... | 181 | ... | ... | 181 | ... | ... | |
| | Kathri ... ... | 380 | 3 | ... | 383 | ... | ... | |
| | Ghali ... ... | 40 | ... | ... | 40 | ... | ... | |
| | Bütho ... ... | 1,916 | 212 | ... | 2,128 | ... | ... | |
| | Lakha ... ... | ... | 27 | ... | 27 | ... | ... | |
| | Manjhand ... ... | 186 | 58 | ... | 244 | ... | ... | |
| | Unarpur ... ... | 414 | 78 | ... | 492 | ... | ... | |
| | Ghagh ... ... | 140 | 40 | ... | 180 | ... | ... | |
| | Keti Khasai ... ... | 161 | 165 | ... | 326 | ... | ... | |
| | Giderji ... ... | 268 | 102 | ... | 370 | ... | ... | |
| | Shah Makai ... .. | 106 | ... | ... | 106 | ... | ... | |
| | Jam Shoro ... ... | 61 | ... | ... | 61 | ... | ... | |
| | Total ... | 14,233 | 4,625 | ... | 18,858 | ... | ... | |
| Jerruck ... | Khadi ... ... | 367 | 165 | 79 | 453 | ... | ... | 79 acres opened to grazing. |
| | Budka Takar ... ... | 58 | 10 | ... | 68 | ... | ... | |
| | Mulchand ... ... | 400 | 337 | 90 | 647 | ... | ... | 90 „ „ „ |
| | Phatah ... ... | 9 | ... | ... | 9 | ... | ... | |
| | Viran ... ... | 316 | 40 | 236 | 120 | ... | ... | 236 „ „ „ |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sonda ... ... | 318 | 30 | 268 | 80 | ... | ... | 268 | „ | „ | „ |
| Hilaya ... ... | 248 | 88 | ... | 336 | ... | ... | | | | |
| Lalang ... ... | 130 | 20 | ... | 150 | ... | ... | | | | |
| Keti Mehrani ... ... | ... | 6 | ... | 6 | ... | ... | | | | |
| Karokhao ... ... | 40 | 10 | ... | 50 | ... | ... | | | | |
| Ali Ganj ... ... | 30 | 30 | ... | 60 | ... | ... | | | | |
| Shah Lonko ... ... | 239 | ... | ... | 239 | ... | ... | | | | |
| Khokhar ... .. | 630 | 32 | 630 | 32 | ... | ... | 630 | „ | „ | „ |
| Khathar ... ... | 580 | 75 | ... | 655 | ... | ... | | | | |
| Katiar ... .. | 212 | 19 | ... | 231 | ... | ... | | | | |
| Khatro ... ... | 12 | ... | ... | 12 | ... | ... | | | | |
| Tikhur ... .. | 377 | 30 | 377 | 30 | ... | ... | 377 | „ | „ | „ |
| Husri ... ... | ... | 28 | ... | 28 | ... | ... | | | | |
| Marho Kotri ... .. | ... | 41 | ... | 41 | ... | ... | | | | |
| Garko ... .. | 411 | 67 | ... | 478 | ... | ... | | | | |
| Bijora ... .. | 80 | 46 | ... | 126 | ... | ... | | | | |
| Bao Purandas ... .. | 605 | 224 | ... | 829 | ... | ... | | | | |
| Kacho Surjani ... ... | 504 | 112 | 162 | 454 | ... | ... | 162 | „ | „ | „ |
| Kot Almo ... ... | 533 | 70 | 403 | 200 | ... | ... | 403 | „ | „ | „ |
| Huderani ... .. | 381 | ... | 36 | 345 | ... | ... | 36 | „ | „ | „ |
| Surjani ... ... | 91 | ... | ... | 91 | ... | ... | | | | |
| Penah ... ... | 415 | ... | 53 | 362 | ... | ... | 53 | „ | „ | „ |
| Susati ... ... | 2 | ... | ... | 2 | ... | ... | | | | |
| Khirsar ... ... | 40 | ... | ... | 40 | ... | ... | | | | |
| Hazari ... ... | 385 | ... | ... | 385 | ... | ... | | | | |
| Ali Bahar ... ... | 56 | ... | ... | 56 | ... | ... | | | | |
| Ganj ... ... | 230 | ... | ... | 230 | ... | ... | | | | |
| Kacho Pawhar ... ... | ... | 20 | ... | 20 | ... | ... | | | | |
| Kacho Alah Baksh ... | ... | 40 | ... | 40 | ... | ... | | | | |
| Achh Marho ... ... | ... | 100 | ... | 100 | ... | ... | | | | |
| Total ... | 7,699 | 1,640 | 2,334 | 7,005 | ... | ... | | | | |
| Total of Cultural Operations... | 47,475 | 18,676 | 8,345 | 57,806 | ... | ... | | | | |
| Total of Regular Plantation... | 123 | 3 | 34 | 92 | 381 | 1,642 | | | | |
| GRAND TOTAL ... | 47,598 | 18,679 | 8,379 | 57,898 | 381 | 1,642 | | | | |

F. R. JASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 57.

## FOREST DEPARTMENT, SIND CIRCLE.

*Outturn (in cubic feet, solid) of Timber and Fuel during the year* 1896-97 *and Agency of Exploitation.*

| Division. | Timber in the rough: Logs. | | | | | Timber in the rough: Poles. | | | | | Sawn or squared Timber. | | | | | Miscellaneous. | | | | | Fuel. | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free grantees. | Right-holders. | Total. | Government. | Purchasers. | Free grantees. | Right-holders. | Total. | Government. | Purchasers. | Free grantees. | Right-holders. | Total. | Government. | Purchasers. | Free grantees. | Right-holders. | Total. | Government. | Purchasers. | Free grantees. | Right-holders. | Total. | Outturn. |
| I. *Reserved Forests.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sukkur ... ... ... ... ... | 937 | 64,728 | 2,191 | ... | 67,856 | 51 | 5,541 | 134 | ... | 5,726 | ... | ... | ... | ... | ... | 635 | 53,480 | 4,404 | ... | 58,519 | 45,819 | 7,090,221 | 1,148 | ... | 7,137,188 | 7,269,289 |
| Naushahro ... ... ... ... | ... | 16,084 | 147 | ... | 16,231 | ... | 9,036 | 2,061 | ... | 11,097 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,991 | 8,77,221 | ... | 171,281 | 1,054,593 | 1,081,921 |
| Hyderabad ... ... ... ... | ... | 20,250 | 382 | ... | 20,632 | ... | 49,104 | 662 | ... | 49,766 | ... | 47,741 | ... | ... | 47,741 | ... | ... | ... | ... | ... | ... | 6,456,843 | 5,940 | ... | 6,462,783 | 6,580,922 |
| Jerruck... ... ... ... ... | 20 | 71,680 | 164 | ... | 71,864 | ... | 14,200 | 792 | ... | 14,992 | ... | 3,890 | ... | ... | 3,890 | ... | ... | ... | ... | ... | 26,293 | 3,097,249 | ... | ... | 3,123,542 | 3,214,268 |
| Total ... | 957 | 1,72,742 | 2,884 | ... | 1,76,583 | 51 | 77,881 | 3,649 | ... | 81,581 | ... | 51,631 | ... | ... | 51,631 | 635 | 53,480 | 4,404 | ... | 58,519 | 78,203 | 17,521,534 | 7,088 | 171,281 | 17,778,106 | 18,146,420 |
| II. *Protected Forests.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sukkur ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 41 | ... | ... | 41 | ... | ... | .. | ... | ... | 41 |

Charcoal should be shown by its equivalent in fuel, the quantity of wood consumed in producing it being entered in cubic feet, solid.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

FORM No. 58.

# FORM No. 58.

## FOREST DEPARTMENT, SIND CIRCLE.

*Outturn of minor Forest produce.*

| Division. | Description of Produce. | Produce removed or utilised | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | By Government agency. | | By Purchasers. | | By free grants. | | By Right-holders. | | Total. | |
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| Sukkur ... | Mango fruit ... ... ... ... | ... | 196 | ... | ... | ... | ... | ... | ... | ... | 196 |
| | Babul seed ... ... ... ... | 2 Mds. | 2 | ... | ... | ... | ... | ... | ... | 2 Mds. | 2 |
| | Babul pods ... ... ... ... | ... | ... | Contract. | 583 | ... | ... | ... | ... | Contract. | 583 |
| | Munj reed ... ... ... ... | ... | ... | Do. | 917 | ... | ... | ... | ... | Do. | 917 |
| | Kanh grass ... ... ... ... | ... | ... | Bdles. 8 | 1 | Bdles. 54 | 3 | ... | ... | Bdles. 62 | 4 |
| | Dabh grass ... ... ... ... | ... | ... | Mds. 686 | 43 | ... | ... | ... | ... | Mds. 686 | 43 |
| | Jhau brushwood ... ... ... ... | ... | ... | Bdles. 683 | 43 | Bdles. 58 | 4 | ... | ... | Bdles. 741 | 47 |
| | Branches of trees ... ... ... ... | ... | ... | C. ft. 55,720 | 278 | ... | ... | ... | ... | C. ft. 55,720 | 278 |
| | Do. do. ... ... ... ... | ... | ... | Cart Ls. 201 | 50 | ... | ... | ... | ... | Cart Ls. 201 | 50 |
| | Compensation for damage done to trees ... ... | ... | ... | ... | 42 | ... | ... | ... | ... | ... | 42 |
| | Grazing fees ... ... ... ... | ... | ... | ... | 18,683 | ... | ... | ... | ... | ... | 18,683 |
| | Total ... | ... | 198 | ... | 20,640 | ... | 7 | ... | ... | ... | 20,845 |
| Naushahro ... | Babul pods ... ... ... ... | ... | ... | Contract. | 767 | ... | ... | ... | ... | Contract. | 767 |
| | Fruit ... ... ... ... | ... | ... | Do. | 18 | ... | ... | ... | ... | Do. | 18 |
| | Sar reed ... ... ... ... | ... | ... | Do. | 738 | ... | ... | ... | ... | Do. | 738 |
| | Kanh grass ... ... ... ... | ... | ... | ... | ... | Bdles. 80 | 5 | ... | ... | Bdles. 80 | 5 |
| | Jhau brushwood ... ... ... ... | ... | ... | Bdles. 1,961 | 123 | Do. 90 | 6 | ... | ... | Do. 205 | 129 |
| | Branches of trees ... ... ... ... | ... | ... | Do. 497 | 35 | ... | ... | ... | ... | Do. 497 | 35 |
| | Thorns ... ... ... ... | ... | ... | ... | ... | ... | ... | Bdles. 14,400. | 900 | Bdles. 14,400 | 900 |
| | Grazing fees ... ... ... ... | ... | ... | ... | 9,549 | ... | ... | ... | ... | ... | 9,549 |
| | Total ... | ... | ... | ... | 11,230 | ... | 11 | ... | 900 | ... | 12,141 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hyderabad ... | Babul bark ... ... ... ... | ... | ... | Mds. 6 | 1 | ... | ... | ... | ... | Mds. 6 | 1 |
| | Tooth brushes ... ... ... ... | ... | ... | Do. 206 | 77 | ... | ... | ... | ... | Do. 206 | 77 |
| | Jhau brushwood ... ... ... ... | ... | ... | Bdles. 182 | 11 | ... | ... | ... | ... | Bdles. 182 | 11 |
| | Lac ... ... ... ... | ... | ... | Mds. 3 | 6 | ... | ... | ... | ... | Mds. 3 | 6 |
| | Reed and Kanh grass ... ... ... | ... | ... | Bdles. 726 | 46 | Bdles. 228 | 14 | ... | ... | Bdles. 954 | 60 |
| | Compensation for damage done to trees ... | ... | ... | ... | 72 | ... | ... | ... | ... | ... | 72 |
| | Grapes ... ... ... ... | ... | ... | ... | 49 | ... | ... | ... | ... | ... | 49 |
| | Babul pods ... ... ... ... | ... | ... | Contract. | 12,587 | ... | ... | ... | ... | Contract. | 12,587 |
| | Kanh grass ... ... ... ... | ... | ... | Do. | 349 | ... | ... | ... | ... | Do. | 349 |
| | Lac ... ... ... ... | ... | ... | Do. | 5,410 | ... | ... | ... | ... | Do. | 5,410 |
| | Mangoes ... ... ... ... | ... | ... | Do. | 215 | ... | ... | ... | ... | Do. | 215 |
| | Babul seed ... ... ... .. | Mds. 75 | 51 | ... | ... | ... | ... | ... | ... | Mds. 75 | 51 |
| | Grazing fees ... ... ... | ... | ... | ... | 17,072 | ... | ... | ... | ... | ... | 17,072 |
| | Total ... | ... | 51 | ... | 35,895 | ... | 14 | ... | ... | ... | 35,960 |
| Jerruck ... | Babul seed ... ... ... ... | Mds. 265 | 33 | Mds. 2 | 1 | ... | ... | ... | ... | Mds. 267 | 34 |
| | Grass ... ... ... ... | ... | ... | Contract. | 32 | ... | ... | ... | ... | Contract. | 32 |
| | Lac ... ... ... ... | ... | ... | Do. | 133 | ... | ... | ... | ... | Do. | 133 |
| | Mangoes ... ... ... ... | ... | ... | Do. | 19 | ... | ... | ... | ... | Do. | 19 |
| | Babul pods ... ... ... ... | ... | ... | Do. | 2,841 | ... | ... | ... | ... | Do. | 2,841 |
| | Tooth brushes ... ... ... ... | ... | ... | Mds. 83 | 31 | ... | ... | ... | ... | Mds. 83 | 31 |
| | Jhau brushwood ... ... ... ... | ... | ... | Bdles. 179 | 12 | ... | ... | ... | ... | Bdles. 179 | 12 |
| | Compensation for damage done to trees ... | ... | ... | ... | 80 | ... | ... | ... | ... | ... | 80 |
| | Grazing fees ... ... ... ... | ... | ... | ... | 13,166 | ... | ... | ... | ... | ... | 13,166 |
| | Total ... | ... | 33 | ... | 16,315 | ... | ... | ... | ... | ... | 16,348 |

F. R. DASAI,

Conservator of Forests,
Sind Circle.

# FORM No. 59.

## FOREST DEPARTMENT, SIND CIRCLE.

*Account of Timber and other Produce cut or collected by Government agency and brought to Sale Depôts or sold locally during the year* 1896-97.

| Particulars. | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. No. or quantity. | TOTAL OF EACH HEAD. Cubic feet. |
|---|---|---|---|---|
| **TIMBER.** | | | | |
| **BALANCE AT COMMENCEMENT OF THE YEAR.** | | | | |
| Sukkur Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Sukkur Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Naushahro Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Naushahro Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Hyderabad Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Hyderabad Division. — *Forest Depots.* | | | | |
| Babul props ... ... | 4,141 | ... | 4,141 | ... |
| Jerruck Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Jerruck Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Total Balance ... | | | 4,141 | ... |
| ***Received from the Forests in Sale Depots.*** | | | | |
| Babul logs ... ... ... | 2 | 20 | | |
| Bahan logs ... ... ... | 33 | 147 | | |
| Tali logs ... ... ... | ... | ... | | |
| Bahan posts ... ... ... | 236 | ... | | |
| Bahan rafters ... ... ... | 2,802 | ... | | |
| Jhau rafters ... ... ... | 668 | ... | | |
| | | | 3,741 | 167 |
| ***Received in Forest Depots.*** | | | | |
| Babul logs ... ... ... | 26 | 263 | | |
| Bahan logs ... ... ... | 49 | 307 | | |
| Tali logs ... ... ... | 35 | 276 | | |
| | | | 110 | 846 |
| ***Confiscated wood.*** | | | | |
| Tali logs ... ... ... | 8 | 53 | 8 | 53 |
| **Total Timber** ... | | | 8,000 | 1,066 |

| Particulars. | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. No. or quantity. | TOTAL OF EACH HEAD. Cubic feet. |
|---|---|---|---|---|
| **TIMBER.** | | | | |
| ***Removed by purchasers from Sale Depots.*** | | | | |
| Babul logs ... ... ... | 2 | 20 | | |
| Bahan logs ... ... ... | 6 | 38 | | |
| Bahan posts ... ... ... | 82 | ... | | |
| Bahan rafters ... ... ... | 602 | ... | | |
| Jhau rafters ... ... ... | 668 | ... | | |
| | | | 1,360 | 58 |
| ***Sold locally.*** | | | | |
| Babul logs ... ... ... | 26 | 263 | | |
| Bahan logs ... ... ... | 49 | 307 | | |
| Tali logs ... ... ... | 33 | 251 | | |
| Babul props ... ... ... | 4,141 | ... | | |
| | | | 4,249 | 821 |
| ***Confiscated wood sold locally.*** | | | | |
| Tali logs ... ... ... | 8 | 53 | | |
| | | | 8 | 53 |
| ***Used by the Department.*** | | | | |
| Tali logs ... ... ... | 2 | 25 | | |
| | | | 2 | 25 |
| ***Balance at close of the year.*** | | | | |
| Sukkur Division. — *Sale Depots.* | | | | |
| Bahan logs ... ... | 27 | 169 | | |
| Bahan posts ... ... | 154 | ... | | |
| Bahan rafters ... ... | 2,200 | ... | | |
| | | | 2,381 | 109 |
| Sukkur Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Naushahro Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Naushahro Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Hyderabad Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Hyderabad Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Jerruck Division. — *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Jerruck Division. — *Forest Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| **Total Timber** ... | | | 8,000 | 1,066 |

| Particulars. | No. or quantity. | Cubic feet. | Total of each head. No. or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|
| **FIREWOOD, CHARCOAL, &c.** | | | | |
| **Balance at commencement of the year.** | | | | |
| Sukkur Division. *Sale Depots.* | | | | |
| Firewood ... ... Mds. | 5,025 | ... | | |
| Loco. fuel ... C. ft. | ... | 775 | 5,025 | 775 |
| Sukkur Division. *Forest Depots.* | | | | |
| Firewood ... ... Mds. | 3,650 | ... | | |
| Babul and other seeds ... ... ,, | 544 | ... | 4,194 | ... |
| Nanshahro Division. *Sale Depots.* | | | | |
| Firewood ... ... Mds. | 1,900 | ... | 1,900 | ... |
| Nanshahro Division. *Forest Depots.* | | | | |
| Firewood ... ... Mds. | 5,239 | ... | | |
| Babul seed ... ,, | 569 | ... | 5,808 | ... |
| Hyderabad Division. *Sale Depots.* | | | | |
| Firewood ... ... Mds. | 29 | ... | | |
| Loco. fuel ... C. ft. | ... | 823 | 29 | 823 |
| Hyderabad Division. *Forest Depots.* | | | | |
| Firewood ... ... Mds. | 2,569 | ... | | |
| Loco. fuel ... C. ft. | ... | 114,394 | | |
| Babul seed ... Mds. | 362 | ... | 2,931 | 114,394 |
| Jerruck Division. *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Jerruck Division. *Forest Depots.* | | | | |
| Firewood ... ... Mds. | 4,088 | ... | | |
| Charcoal ... ... ,, | 201 | ... | | |
| Loco. fuel ... C. ft. | ... | 7,835 | | |
| Babul seed ... Mds. | 405 | ... | 4,694 | 7,835 |
| Total Balance ... | ... | ... | 24,581 | 123,827 |
| *Received from Forests in Sale Depots.* | | | | |
| Firewood ... ... Mds. | 50 | ... | 50 | ... |
| *Received in Forest Depots.* | | | | |
| Firewood ... ... Mds. | 1,128 | ... | | |
| Loco. fuel ... ... C. ft. | ... | 3,125 | | |
| Babul and other seeds. Mds. | 3,101 | ... | 4,229 | 3,125 |
| Total ... | ... | ... | 28,860 | 126,952 |

| Particulars. | No. or quantity. | Cubic feet. | Total of each head. No. or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|
| **FIREWOOD, CHARCOAL, &c.** | | | | |
| *Removed by purchasers from Sale Depots.* | | | | |
| Firewood ... ... Mds. | 7,004 | ... | ... | |
| *Sold locally.* | | | | |
| Firewood ... ... Mds. | 8,755 | ... | | |
| Charcoal ... ... ,, | 176 | ... | | |
| Loco. fuel ... ... C. ft. | ... | 120,660 | | |
| Babul and other seeds Mds. | 356 | ... | 16,291 | 1,20,660 |
| *Transferred to Sale Depots.* | | | | |
| Firewood ... ... Mds. | 50 | ... | 50 | ... |
| *Written off—Forest Depots.* | | | | |
| Firewood ... ... Mds. | 1,576 | ... | | |
| Loco. fuel ... ... C. ft. | ... | 4,694 | | |
| Babul seed ... ... Mds. | 20 | ... | 1,596 | 4,694 |
| *Used by the Department.* | | | | |
| Babul seed ... ... Mds. | 2,989 | ... | 2,989 | ... |
| **Balance at close of the year.** | | | | |
| Sukkur Division. *Sale Depots.* | | | | |
| Loco. fuel ... C. ft. | ... | 775 | ... | 775 |
| Sukkur Division. *Forest Depots.* | | | | |
| Firewood ... Mds. | 2,350 | ... | | |
| Babul and other seeds ... ... ,, | 147 | ... | 2,497 | ... |
| Nanshahro Division. *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Nanshahro Division. *Forest Depots.* | | | | |
| Firewood ... Mds. | 3,068 | ... | | |
| Babul seed ... ,, | 231 | ... | 3,299 | ... |
| Hyderabad Division. *Sale Depots.* | | | | |
| Loco. fuel ... C. ft. | ... | 823 | ... | 823 |
| Hyderabad Division. *Forest Depots.* | | | | |
| Firewood ... Mds. | ... | ... | | |
| Babul seed ... ,, | 156 | ... | 156 | ... |
| Jerruck Division. *Sale Depots.* | | | | |
| Nil. | ... | ... | ... | ... |
| Jerruck Division. *Forest Depots.* | | | | |
| Firewood ... Mds. | 875 | ... | | |
| Charcoal ... ,, | 25 | ... | | |
| Babul seed ... ,, | 1,082 | ... | 1,982 | |
| Total ... | ... | ... | 28,860 | 1,26,952 |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

FORM

FOREST DEPARTMENT,

*Abstract showing the value of Timber and*

| | Description of timber and other produce. | On hand at commencement of the year. | | | On hand at close of the year. | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|
| | | No. | Cubic feet. | Value. | No. | Cubic feet. | Value. | In favour of the year. | Against the year. |
| Sukkur Division. | *Sale Depôts.* | | | | | | | | |
| | Bahan logs ... ... ... | ... | ... | ... | 27 | 109 | 54 | ... | ... |
| | Bahan posts ... ... ... | ... | ... | ... | 154 | ... | 39 | ... | ... |
| | Bahan rafters ... ... | ... | ... | ... | 2,200 | ... | 264 | ... | ... |
| | Total ... | ... | ... | ... | 2,381 | 109 | 357 | 357 | ... |
| | *Forest Depôts.* | | | | | | | | |
| | Nil. | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Sale Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 5,025 | ... | 904 | ... | ... | ... | ... | ... |
| | Loco. fuel ... ... C. ft. | ... | 775 | 36 | ... | 775 | 36 | ... | ... |
| | Total ... | 5,025 | 775 | 940 | ... | 775 | 36 | ... | 904 |
| | *Forest Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 3,650 | ... | 438 | 2,350 | ... | 282 | ... | ... |
| | Loco. fuel ... ... C. ft. | ... | ... | ... | ... | ... | ... | ... | ... |
| | Babul and other seeds Mds. | 544 | ... | 272 | 147 | ... | 73 | ... | ... |
| | Total ... | 4,194 | ... | 710 | 2,497 | ... | 355 | ... | 355 |
| Naushahro Division. | *Sale Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 1,900 | ... | 190 | ... | ... | ... | ... | 190 |
| | *Forest Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 5,239 | ... | 943 | 3,068 | ... | 265 | ... | ... |
| | Babul seed ... ... Mds. | 569 | ... | 355 | 231 | ... | 145 | ... | ... |
| | Total ... | 5,808 | ... | 1,298 | 3,299 | ... | 410 | ... | 888 |

Net difference against

**No. 60.**

SIND CIRCLE.

*other produce at Sale Depôts for the year* 1896-97.

| | Description of timber and other produce. | On hand at commencement of the year. | | | On hand at close of the year. | | | Difference in value. | |
|---|---|---|---|---|---|---|---|---|---|
| | | No. | Cubic feet. | Value. | No. | Cubic feet. | Value. | In favour of the year. | Against the year. |
| | | | | Rs. | | | Rs. | Rs. | Rs. |
| Hyderabad Division. | *Sale Depôts.* | | | | | | | | |
| | Nil | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Forest Depôts* | | | | | | | | |
| | Babul props ... ... No. | 4,141 | ... | 186 | ... | ... | ... | ... | 186 |
| | *Sale Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 29 | ... | 7 | ... | ... | ... | ... | ... |
| | Loco. fuel ... ... C. ft. | ... | 823 | 378 | ... | 823 | 37 | ... | ... |
| | Total ... | 29 | 823 | 385 | ... | 823 | 37 | ... | 348 |
| | *Forest Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 2,569 | ... | 257 | ... | ... | ... | ... | ... |
| | Loco. fuel ... ... C. ft. | ... | 114,394 | 2,059 | ... | ... | ... | ... | ... |
| | Babul seed ... ... Mds. | 362 | ... | 181 | 156 | ... | 78 | ... | ... |
| | Total ... | 2,931 | 114,394 | 2,497 | 156 | ... | 78 | ... | 2,419 |
| Jerruck Division. | *Sale Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Forest Depôts.* | | | | | | | | |
| | Firewood ... ... Mds. | 4,088 | ... | 552 | 875 | ... | 91 | ... | ... |
| | Loco. fuel ... ... C. ft. | ... | 7,835 | 188 | ... | ... | ... | ... | ... |
| | Charcoal ... ... Mds. | 201 | ... | 62 | 25 | ... | 4 | ... | ... |
| | Babul seed ... ... „ | 405 | ... | 202 | 1,082 | ... | 541 | ... | ... |
| | Total ... | 4,694 | 7,835 | 1,004 | 1,982 | ... | 636 | ... | 368 |

the year, Rs. 5,301.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 61.

## FOREST DEPARTMENT, SIND CIRCLE.

*Summary of Revenue and Expenditure of the different Divisions for the Forest year* 1896-97 (*1st July* 1896 *to 30th June* 1897).

| Budget Heads. | Direction. | Hyderabad Division. | Naushahro Division. | Sukkur Division. | Jerruck Division. | Thar and Parkar Division. | Working Plans Division. | Total for the Forest year 1896-97. |
|---|---|---|---|---|---|---|---|---|
| REVENUE. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY— | | | | | | | | |
| *a.* Timber ... ... ... ... ... ... | ... | 118 8 6 | ... | 523 11 9 | 35 15 11 | ... | ... | 678 4 2 |
| *b.* Firewood and charcoal ... ... ... ... | ... | 2,265 14 1 | 497 14 11 | 619 12 0 | 722 1 6 | 2,551 10 11 | ... | 6,657 4 5 |
| *c.* Grass and other minor produce ... ... ... | ... | 51 7 10 | ... | 197 14 11 | 32 8 0 | ... | ... | 281 14 9 |
| TOTAL I ... | ... | 2,435 13 5 | 497 14 11 | 1,341 6 8 | 790 9 5 | 2,551 10 11 | ... | 7,617 7 4 |
| —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS— | | | | | | | | |
| *a.* Timber ... ... ... ... ... ... | ... | 28,576 13 7 | 5,113 14 6 | 13,535 9 9 | 8,148 6 8 | 281 11 0 | ... | 55,656 7 6 |
| *b.* Firewood and charcoal ... ... ... ... | ... | 34,397 10 11 | 19,111 1 1 | 66,249 11 4 | 23,233 3 0 | 6 2 0 | ... | 1,42,997 12 4 |
| *d.* Grazing and fodder grass... ... ... ... | ... | 17,071 10 1 | 9,549 1 3 | 18,683 1 9 | 13,165 11 3 | 2,585 1 0 | ... | 61,054 9 4 |
| *e.* Other minor produce ... ... ... | ... | 18,823 0 2 | 1,680 12 0 | 1,956 12 2 | 3,149 1 0 | 781 3 0 | ... | 26,390 12 4 |
| TOTAL II ... | ... | 98,869 2 9 | 35,454 12 10 | 1,00,425 3 0 | 47,696 5 11 | 3,654 1 0 | ... | 2,86,099 9 6 |
| —DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE ... ... ... ... ... ... ... | ... | .. | ... | 96 12 2 | 1 0 0 | ... | ... | 97 12 2 |
| TOTAL III ... | ... | ... | ... | 96 12 2 | 1 0 0 | ... | ... | 97 12 2 |
| —MISCELLANEOUS— | | | | | | | | |
| *a.* Fines and forfeitures ... ... ... ... | ... | 100 0 0 | ... | 30 0 0 | ... | ... | ... | 130 0 0 |
| *b.* Refunds ... ... ... ... ... ... | ... | ... | 19 9 0 | ... | 59 10 9 | 52 4 0 | ... | 131 7 9 |
| *c.* Other sources ... ... ... ... ... | ... | 1,641 4 4 | 5,673 5 8 | 8,429 15 5 | 2,445 15 1 | 30 7 0 | ... | 18,220 15 6 |
| TOTAL V ... | | 1,741 4 4 | 5,692 14 8 | 8,459 15 5 | 2,505 9 10 | 82 11 0 | ... | 18,482 7 3 |
| GRAND TOTAL REVENUE ... | ... | 1,03,046 4 6 | 41,645 10 5 | 1,10,323 5 3 | 50,993 9 2 | 6,238 6 11 | ... | 3,12,297 4 3 |
| EXPENDITURE. | | | | | | | | |
| *A.—Conservancy and Works.* | | | | | | | | |
| —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY— | | | | | | | | |
| *a.* Timber ... ... ... ... ... ... | ... | 89 10 9 | ... | 88 6 3 | ... | ... | ... | 178 1 0 |
| *b.* Firewood and charcoal ... ... ... ... | ... | ... | 181 7 8 | 575 0 7 | 278 0 5 | 1,834 1 4 | ... | 2,868 10 0 |
| *e.* Grass and other minor produce ... ... ... | ... | 517 1 6 | ... | 25 6 0 | ... | ... | ... | 542 7 6 |
| TOTAL A I ... | ... | 606 12 3 | 181 7 8 | 688 12 10 | 278 0 5 | 1,834 1 4 | ... | 3,589 2 6 |
| —TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS ... ... | ... | 70 12 0 | 39 5 3 | 9 4 0 | 148 2 0 | ... | ... | 267 7 3 |
| TOTAL A II ... | ... | 70 12 0 | 39 5 3 | 9 4 0 | 148 2 0 | ... | | 267 7 3 |
| —DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE ... ... ... ... ... ... ... | ... | ... | 5 4 0 | ... | ... | ... | ... | 5 4 0 |
| TOTAL A III ... | | ... | 5 4 0 | ... | ... | ... | ... | 5 4 0 |
| —LIVE STOCK, STORES, TOOLS AND PLANT— | | | | | | | | |
| *a.* Purchase of cattle ... ... ... ... | ... | ... | ... | 59 0 0 | ... | ... | ... | 59 0 0 |
| *b.* Feed and keep of cattle ... ... ... ... | ... | ... | ... | 146 3 4 | ... | ... | ... | 146 3 4 |
| *c.* Purchase of stores, tools and plant ... ... | 150 12 0 | 198 6 8 | 48 8 0 | 159 5 6 | 144 3 0 | ... | 1,062 12 1 | 1,763 15 3 |
| TOTAL A VI ... | 150 12 0 | 198 6 8 | 48 8 0 | 364 8 10 | 144 3 0 | ... | 1,062 12 1 | 1,969 2 7 |
| —COMMUNICATIONS AND BUILDINGS— | | | | | | | | |
| *b.* Buildings ... ... ... ... ... ... | ... | 90 2 4 | 18 4 0 | 207 5 1 | 141 8 0 | ... | ... | 457 3 5 |
| *c.* Other works ... ... ... ... ... ... | ... | ... | ... | 700 1 0 | ... | ... | ... | 700 1 0 |
| TOTAL A VII ... | ... | 90 2 4 | 18 4 0 | 907 6 1 | 141 8 0 | ... | ... | 1,157 4 5 |
| —ORGANISATION, IMPROVEMENT, AND EXTENSION OF FORESTS— | | | | | | | | |
| *a.* Demarcation ... ... ... ... ... ... | ... | ... | 3 0 0 | ... | 49 1 0 | ... | 188 5 0 | 240 6 0 |
| *d.* Working plans ... ... ... ... ... | ... | 315 0 2 | 27 10 4 | 152 10 0 | 79 14 11 | ... | ... | 4,185 6 8 |
| *e.* Sowing and planting ... ... ... ... ... | ... | 853 5 6 | 79 6 6 | 2,708 4 5 | 789 10 10 | ... | 3,619 3 3 | 4,430 11 3 |
| *f.* Protection from fire ... ... ... ... ... | ... | ... | ... | ... | 2 0 0 | ... | ... | 2 0 0 |
| *g.* Other works ... ... ... ... ... ... | ... | 2,251 1 1 | 858 4 0 | 543 12 8 | 2,458 9 4 | ... | ... | 6,111 11 1 |
| TOTAL A VIII ... | ... | 3,419 6 9 | 968 4 10 | 3,404 11 1 | 3,370 4 1 | ... | 3,807 8 3 | 14,970 3 0 |
| —MISCELLANEOUS— | | | | | | | | |
| *a.* Other charges ... ... ... ... ... | ... | 1,030 3 11 | 542 0 3 | 409 13 9 | 324 15 0 | ... | ... | 2,307 0 11 |
| TOTAL A IX ... | ... | 1,030 3 11 | 542 0 3 | 409 13 9 | 324 15 0 | ... | ... | 2,307 0 11 |
| TOTAL A.—CONSERVANCY AND WORKS ... | 150 12 0 | 5,415 11 11 | 1,803 2 0 | 5,784 8 7 | 4,407 0 6 | 1,834 1 4 | 4,870 4 4 | 24,265 8 8 |
| *B.—Establishments.* | | | | | | | | |
| —SALARIES— | | | | | | | | |
| *a.* Conservators... ... ... ... ... ... | 7,601 15 0 | ... | ... | ... | ... | ... | ... | 7,601 15 0 |
| *b.* Superior officers ... ... ... ... ... | 5,220 0 0 | 3,250 0 0 | 3,600 0 0 | 4,200 0 0 | 8,087 13 7 | ... | 6,438 4 5 | 30,796 2 0 |
| *c.* Subordinate forest and depôt establishments.. | ... | 7,558 2 4 | 7,438 11 8 | 14,767 7 9 | 7,310 2 5 | 238 0 0 | ... | 37,312 8 2 |
| *d.* Office establishments ... ... ... ... | 4,262 2 5 | 1,586 0 2 | 1,289 7 8 | 1,778 9 2 | 1,326 4 1 | 406 2 7 | 18 9 0 | 10,666 10 1 |
| *e.* Deputation and special allowances ... ... | ... | 78 1 6 | 134 13 5 | 600 0 0 | ... | ... | ... | 812 14 11 |
| *f.* Exchange Compensation Allowance— | | | | | | | | |
| 2. Deputy Conservators ... ... ... | ... | ... | ... | ... | 480 8 0 | ... | 333 14 5 | 814 6 5 |
| 3. Assistant Conservators ... ... ... | ... | ... | ... | ... | ... | ... | 419 6 3 | 419 6 3 |
| TOTAL B I .. | 17,084 1 5 | 12,472 4 0 | 12,463 0 9 | 21,346 0 11 | 17,204 12 1 | 644 2 7 | 7,209 9 1 | 88,423 14 10 |
| —TRAVELLING ALLOWANCES— | | | | | | | | |
| *a.* Conservators ... ... ... ... ... | 1,240 0 0 | ... | ... | ... | ... | ... | ... | 1,240 0 0 |
| *b.* Superior officers ... ... ... ... ... | 1,177 4 6 | 856 4 0 | 900 0 0 | 931 2 0 | 1,440 2 6 | ... | 1,784 9 2 | 7,089 6 2 |
| *c.* Subordinate forest and depôt establishments.. | ... | 656 0 7 | 773 10 3 | 1,052 0 9 | 923 15 3 | 330 4 6 | .. | 3,735 15 4 |
| *d.* Office establishments ... ... ... ... | 1,763 1 6 | 554 14 9 | 424 3 4 | 681 0 5 | 446 1 5 | ... | 9 5 8 | 3,878 11 1 |
| TOTAL B II .. | 4,180 6 0 | 2,067 3 4 | 2,097 13 7 | 2,664 3 2 | 2,810 3 2 | 330 4 6 | 1,793 14 10 | 15,944 0 7 |
| —CONTINGENCIES— | | | | | | | | |
| *a.* Stationery ... ... ... ... ... ... | 6 4 3 | 86 5 0 | 83 7 4 | 181 14 0 | 89 0 0 | 7 4 0 | ... | 454 2 7 |
| *b.* Carriage of tents and records ... ... ... | 382 14 8 | 173 7 0 | 179 0 2 | 172 8 0 | 222 3 7 | ... | 157 12 0 | 1,287 13 5 |
| *c.* Rents, rates and taxes ... ... ... ... | 360 0 0 | 220 0 0 | 240 0 0 | 163 7 3 | 252 0 0 | ... | 126 7 3 | 1,361 14 6 |
| *e.* Official postage ... ... ... ... ... | 150 3 9 | 233 11 6 | 354 7 6 | 485 8 0 | 253 14 0 | 5 0 0 | 59 3 0 | 1,541 15 9 |
| *f.* Sundries ... ... ... ... ... ... | 220 8 8 | 140 0 9 | 169 11 2 | 212 12 4 | 127 4 3 | ... | 59 5 0 | 929 10 2 |
| TOTAL B III ... | 1,119 15 4 | 853 8 3 | 1,026 10 2 | 1,216 1 7 | 944 5 10 | 12 4 0 | 402 11 3 | 5,575 8 5 |
| TOTAL B.—ESTABLISHMENTS .. | 22,384 6 9 | 15,392 15 7 | 15,587 8 6 | 25,226 5 8 | 20,959 5 1 | 986 11 1 | 9,406 3 2 | 1,09,943 7 10 |
| GRAND TOTAL OF EXPENDITURE ... | 22,535 2 9 | 20,808 11 6 | 17,390 10 6 | 31,010 14 3 | 25,366 5 7 | 2,820 12 5 | 14,276 7 6 | 1,34,209 0 6 |

*Office of the Accountant General, Bombay,*
*Dated 3rd September* 1897.

E. LAWRENCE,
Accountant General.

# FORM No. 61.

## FOREST DEPARTMENT, SIND CIRCLE.

*Summary of Revenue and Expenditure of the different Divisions for the Financial year 1896-97.*

| Budget Heads. | Direction. | Hyderabad Division. | Naushahro Division. | Sukkur Division. | Jerruck Division. | Thar and Parkar Division. | Working Plans Division. | Total for the Financial year 1896-97. | Total Budget Estimate. |
|---|---|---|---|---|---|---|---|---|---|
| REVENUE. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. |
| I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY— | | | | | | | | | |
| *a.* Timber ... ... ... ... | ... | 147 13 2 | ... | 351 12 8 | 7 13 0 | 1,116 14 1 | ... | 507 6 10 | *550* |
| *b.* Firewood and charcoal ... ... ... | ... | 2,406 1 5 | 893 2 3 | 922 7 9 | 1,044 5 8 | ... | ... | 82 15 2 | *11,750* |
| *c.* Grass and other minor produce ... ... | ... | 43 15 0 | ... | 161 10 5 | 32 8 0 | ... | ... | 238 1 5 | *300* |
| TOTAL I ... | ... | 2,597 13 7 | 893 2 3 | 1,435 14 10 | 1,084 10 8 | 1,116 14 1 | ... | 7,128 7 5 | *12,600* |
| II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS— | | | | | | | | | |
| *a.* Timber ... ... ... ... | ... | 32,038 11 2 | 6,288 1 4 | 10,593 14 10 | 6,508 2 9 | 98 3 0 | ... | 55,527 1 1 | *59,800* |
| *b.* Firewood and charcoal ... ... ... | ... | 44,069 10 10 | 24,790 4 7 | 61,382 11 3 | 29,906 11 11 | 6 2 0 | ... | 1,60,155 8 7 | *1,95,800* |
| *d.* Grazing and fodder grass ... ... | ... | 16,314 13 1 | 9,513 2 3 | 19,193 5 8 | 12,918 0 9 | 2,957 6 11 | ... | 60,896 12 8 | *59,300* |
| *e.* Other minor produce ... ... ... | ... | 18,936 7 2 | 1,773 6 0 | 1,545 11 8 | 5,696 3 8 | 745 14 0 | ... | 28,697 10 6 | *25,500* |
| TOTAL II ... | ... | 1,11,359 10 3 | 42,364 14 2 | 92,715 11 5 | 55,029 3 1 | 3,807 9 11 | ... | 3,05,277 0 10 | *3,40,400* |
| III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE ... ... ... ... | ... | ... | 0 12 0 | 99 12 2 | 10 0 0 | ... | ... | 110 8 2 | ... |
| TOTAL III .. | ... | ... | 0 12 0 | 99 12 2 | 10 0 0 | ... | ... | 110 8 2 | ... |
| V.—MISCELLANEOUS— | | | | | | | | | |
| *a.* Fines and Forfeitures ... ... ... | ... | 100 0 0 | ... | 30 0 0 | ... | ... | ... | 130 0 0 | ... |
| *b.* Refunds ... ... ... ... | ... | 3 2 1 | 18 14 4 | ... | 59 10 8 | 55 9 4 | 118 1 4 | 255 5 9 | ... |
| *c.* Other sources ... ... ... ... | ... | 1,551 13 3 | 5,506 12 7 | 9,635 14 6 | 2,491 1 8 | ... | ... | 19,185 10 0 | *20,800* |
| TOTAL V ... | ... | 1,654 15 4 | 5,525 10 11 | 9,665 14 6 | 2,550 12 4 | 55 9 4 | 118 1 4 | 19,570 15 9 | *20,800* |
| GRAND TOTAL REVENUE ... | ... | 1,15,612 7 2 | 48,784 7 4 | 1,03,917 4 11 | 58,674 10 1 | 4,980 1 4 | 118 1 4 | 3,32,087 0 2 | *3,73,800* |
| EXPENDITURE. | | | | | | | | | |
| *A.—Conservancy and Works.* | | | | | | | | | |
| I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY— | | | | | | | | | |
| *a.* Timber ... ... ... ... | ... | 89 10 9 | ... | 46 12 1 | ... | ... | ... | 136 6 10 | *1,125* |
| *b.* Firewood and charcoal ... ... ... | ... | 13 1 0 | 205 0 1 | 589 8 7 | 325 13 5 | 1,148 5 2 | ... | 2,281 12 3 | *8,225* |
| *e.* Grass and other minor produce ... ... | ... | 529 5 4 | ... | 25 0 0 | ... | ... | ... | 554 5 4 | *600* |
| TOTAL A I .. | ... | 632 1 1 | 205 0 1 | 661 4 8 | 325 13 5 | 1,148 5 2 | ... | 2,972 8 5 | *9,200* |
| II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.. | ... | 43 6 0 | 35 3 0 | 9 4 0 | 148 2 0 | ... | ... | 235 15 0 | *100* |
| TOTAL A II ... | ... | 43 6 0 | 35 3 0 | 9 4 0 | 148 2 0 | ... | ... | 235 15 0 | *100* |
| VI.—LIVE-STOCK, STORES, TOOLS AND PLANT— | | | | | | | | | |
| *a.* Purchase of cattle ... ... ... | ... | ... | ... | 59 0 0 | ... | ... | ... | 59 0 0 | *250* |
| *b.* Feed and keep of cattle ... ... ... | ... | ... | ... | 135 6 10 | ... | ... | ... | 135 6 10 | *125* |
| *c.* Purchase of stores, tools and plant ... | 135 12 0 | 182 6 8 | 49 6 0 | 165 12 0 | 144 11 0 | ... | 861 5 7 | 1,539 5 3 | *1,325* |
| TOTAL A VI ... | 135 12 0 | 182 6 8 | 49 6 0 | 360 2 10 | 144 11 0 | ... | 861 5 7 | 1,733 12 1 | *1,700* |
| VII.—COMMUNICATIONS AND BUILDINGS— | | | | | | | | | |
| *a.* Roads and bridges ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | *50* |
| *b.* Buildings ... ... ... ... | ... | 90 2 4 | 18 4 0 | 189 2 6 | 122 0 0 | ... | ... | 419 8 10 | *1,290* |
| *c.* Other works ... ... ... ... | ... | ... | ... | 750 0 0 | ... | ... | ... | 750 0 0 | *760* |
| TOTAL A VII ... | ... | 90 2 4 | 18 4 0 | 939 2 6 | 122 0 0 | ... | ... | 1,169 8 10 | *2,100* |
| VIII.—ORGANISATION, IMPROVEMENT, AND EXTENSION OF FORESTS— | | | | | | | | | |
| *a.* Demarcation ... ... ... ... | ... | ... | 392 10 2 | 351 6 11 | 97 1 0 | ... | 188 5 0 | 1,129 7 1 | *1,200* |
| *d.* Working plans ... ... ... | ... | 573 2 2 | 172 4 0 | 421 4 0 | 176 12 8 | ... | 2,786 14 1 | 4,130 4 11 | *6,700* |
| *e.* Sowing and planting ... ... .. | ... | 799 1 0 | 79 6 6 | 2,671 1 0 | 501 2 8 | ... | ... | 4,050 11 2 | *4,400* |
| *f.* Protection from fire ... ... ... | ... | ... | ... | ... | 2 0 0 | ... | ... | 2 0 0 | ... |
| *g.* Other works ... ... ... .. | ... | 2,177 6 6 | 894 14 8 | 495 12 2 | 2,584 16 2 | ... | ... | 6,152 13 6 | *8,200* |
| TOTAL A VIII .. | ... | 3,549 6 8 | 1,539 3 4 | 4,039 8 1 | 3,361 15 6 | .. | 2,975 3 1 | 15,465 4 8 | *20,500* |
| IX.—MISCELLANEOUS— | | | | | | | | | |
| *b.* Other charges ... ... ... | ... | 2,042 5 7 | 546 12 3 | 396 6 6 | 328 14 6 | ... | ... | 3,314 6 10 | *2,050* |
| TOTAL A IX ... | ... | 2,042 5 7 | 546 12 3 | 396 6 6 | 328 14 6 | ... | ... | 3,314 6 10 | *2,050* |
| TOTAL A.—CONSERVANCY AND WORKS ... | 135 12 0 | 6,539 12 4 | 2,393 12 8 | 6,405 12 7 | 4,431 8 5 | 1,148 5 2 | 3,836 8 8 | 24,891 7 10 | *35,650* |
| *B.—Establishments.* | | | | | | | | | |
| I.—SALARIES— | | | | | | | | | |
| *a.* Conservators ... ... ... ... | 5,576 10 8 | ... | ... | ... | ... | ... | ... | 5,576 10 8 | ... |
| *b.* Superior officers ... ... .. | 6,270 0 0 | 3,000 0 0 | 4,050 0 0 | 4,730 10 4 | 5,531 2 11 | ... | 4,975 6 0 | 30,557 3 3 | *33,000* |
| *c.* Subordinate forest and depôt establishments | ... | 7,589 0 7 | 7,581 4 5 | 14,661 3 9 | 7,042 13 2 | 238 0 0 | ... | 37,112 5 11 | *39,000* |
| *d.* Office establishments ... ... .. | 4,261 14 10 | 1,547 13 6 | 1,281 8 9 | 1,780 2 10 | 1,320 4 4 | 396 0 0 | 18 0 0 | 10,605 12 3 | *10,632* |
| *e.* Deputation and special allowances ... | ... | 78 1 6 | 243 8 9 | 600 0 0 | ... | ... | ... | 921 10 3 | *1,000* |
| *f.* Exchange compensation allowance— | | | | | | | | | *800* |
| (2) Deputy Conservators ... ... ... | ... | ... | ... | 12 8 3 | 261 4 4 | ... | 171 4 4 | 445 0 7 | ... |
| (3) Assistant Conservators ... | ... | ... | 59 13 4 | 59 13 4 | ... | ... | 479 3 7 | 598 14 3 | ... |
| TOTAL B I-- .. | 16,108 9 6 | 13,214 15 7 | 13,216 3 3 | 21,844 6 6 | 16,155 8 5 | 634 0 0 | 5,643 13 11 | 85,817 9 2 | *84,432* |
| II.—TRAVELLING ALLOWANCES— | | | | | | | | | |
| *a.* Conservators ... ... ... ... | 1,006 10 8 | ... | ... | ... | ... | ... | ... | 1,006 10 8 | ... |
| *b.* Superior officers ... ... .. | 1,410 9 10 | 693 5 7 | 991 15 0 | 1,136 1 7 | 1,319 2 6 | ... | 1,559 9 2 | 7,110 11 8 | *8,700* |
| *c.* Subordinate forest and depôt estabts. .. | ... | 665 5 3 | 811 2 0 | 1,029 1 3 | 883 15 3 | 273 4 6 | ... | 3,652 12 3 | *3,400* |
| *d.* Office establishments ... ... | 1,692 14 6 | 555 1 4 | 427 9 9 | 676 8 8 | 436 1 5 | ... | 9 5 8 | 3,797 9 4 | *3,900* |
| TOTAL B II ... | 4,110 3 0 | 1,903 12 2 | 2,230 10 9 | 2,841 11 6 | 2,639 3 2 | 273 4 6 | 5,568 14 10 | 15,567 11 11 | *16,000* |
| III.—CONTINGENCIES— | | | | | | | | | |
| *a.* Stationery ... ... ... .. | 3 10 0 | 83 9 3 | 82 14 10 | 188 7 6 | 90 4 0 | 9 0 6 | ... | 457 14 1 | *610* |
| *b.* Carriage of tents and records ... .. | 360 8 6 | 185 1 3 | 189 14 0 | 175 2 8 | 249 13 11 | ... | 103 11 0 | 1,264 3 4 | *1,250* |
| *c.* Rents, rates and taxes ... ... ... | 360 0 0 | 240 0 0 | 240 0 0 | 164 3 3 | 252 0 0 | ... | 127 7 3 | 1,382 10 6 | *1,480* |
| *e.* Official postage ... ... .. | 181 3 9 | 264 11 6 | 339 15 0 | 497 11 6 | 279 12 0 | 5 0 0 | 38 14 0 | 1,597 3 9 | *1,650* |
| *f.* Sundries ... ... ... .. | 276 15 4 | 142 10 6 | 194 15 7 | 222 5 5 | 159 6 4 | 4 13 3 | 44 0 6 | 1,045 2 11 | *1,378* |
| TOTAL B III ... | 1,182 5 7 | 916 0 6 | 1,047 11 5 | 1,237 14 4 | 1,031 4 3 | 18 13 9 | 313 0 9 | 5,747 2 7 | *6,368* |
| TOTAL B.—ESTABLISHMENTS .. | 21,401 2 1 | 15,034 12 3 | 16,494 9 5 | 25,924 0 4 | 19,825 15 10 | 926 2 3 | 7,525 13 6 | 1,07,132 7 8 | *1,06,800* |
| GRAND TOTAL OF EXPENDITURE ... | 21,536 14 1 | 21,574 8 7 | 18,888 6 1 | 32,329 12 11 | 24,257 8 3 | 2,074 7 5 | 11,362 6 2 | 1,32,023 15 6 | *1,42,450* |

Forwarded to the Conservator of Forests, Sind Circle.

*Office of the Accountant General, Bombay,*
*Dated 10th August 1897.*

E. LAWRENCE,
Accountant General.

# FORM No. 62.

## FOREST DEPARTMENT, SIND CIRCLE.

*Annual Account Current for the Forest year* 1896-97 (*July* 1896 *to June* 1897).

| | Rs. a. p. | Rs. a. p. |
|---|---|---|
| To opening Balance ... ... ... ... ... ... ... | ... | 204 6 2 |
| VIII. Assessed Taxes—Income Tax— Deductions by Government from Salaries and Pensions ... ... ... | ... | 1,102 12 6 |
| IX. Forest (as per summary) ... ... ... ... ... ... | ... | 3,12,297 4 3 |
| XXV. Miscellaneous— Sale-proceeds of Stores and Materials (Provincial) ... ... ... | ... | 0 6 0 |
| Bombay Uncovenanted Service F. P. Fund— Widows' Branch ... ... ... ... ... ... ... | ... | 77 13 4 |
| Revenue Deposits (Forest) ... ... ... ... ... ... | ... | 16,400 1 10 |
| Advances Recoverable— Forest Advances ... ... ... ... ... ... ... | 51,758 13 4 | |
| Tentage Advances ... ... ... ... ... ... ... | ... | |
| Objection Book Advances ... ... ... ... ... ... | 817 0 0 | |
| | | 52,575 13 4 |
| Cash Recoveries ... ... ... ... ... ... ... | ... | 2,656 1 0 |
| Cheques and Bills (Departmental cheques), Forest ... ... ... ... | ... | 1,40,909 6 4 |
| Forest Remittances— Remittances to Treasuries ... ... ... ... ... ... | 85 14 7 | |
| Inter-departmental Transfers ... ... ... ... ... | 744 14 0 | |
| | | 830 12 7 |
| Account between India and Bombay— III. Items adjustable by India— | | |
| Account between Bombay and P. W. D, Bombay— | | |
| IV. Payments into Treasuries by Civil Officers on account of P. W. D. ... | ... | 212 15 3 |
| Miscellaneous ... ... ... ... ... ... | ... | ... |
| Forest Officers' Provident Fund ... ... ... ... ... ... | ... | 2,294 7 9 |
| Total ... | ... | 5,29,562 4 4 |

| | Rs. a. p. | Rs. a. p. |
|---|---|---|
| 1. Refunds and Drawbacks—Refunds— Divided Heads, Forest ... ... ... ... ... ... | ... | 1,654 9 0 |
| 11. Forest (as per summary) ... ... ... ... ... ... | ... | 1,34,209 0 6 |
| Savings Banks Deposit— Interest on Forest Officers' Provident Fund ... ... ... ... | ... | 24 9 5 |
| Revenue Deposits (Forests) ... ... ... ... ... ... | ... | 17,639 15 6 |
| Advances Recoverable— Forest Advances ... ... ... ... ... ... | 48,642 14 7 | |
| Tentage Advances ... ... ... ... ... ... | ... | |
| Objection Book Advances... ... ... ... ... ... | 507 0 0 | |
| | | 49,149 14 7 |
| Cash Recoveries ... ... ... ... ... ... ... | ... | 2,656 1 0 |
| Cheques and Bills (Forests Cheque cancelled) ... ... ... ... | ... | 1,291 4 1 |
| Forest Remittances— Remittances to Treasuries ... ... ... ... ... | 3,21,829 8 4 | |
| Inter-Departmental Transfers ... ... ... ... ... | ... | |
| | | 3,21,829 8 4 |
| Accounts Current— Account between Bombay and Military, Bombay— IV. Items adjustable by Military ... ... ... ... ... | ... | 7 7 9 |
| Account between Bombay and P. W. D., Bombay (Ordinary Branches)— IV. Items adjustable by P. W. D.— | | |
| Inter-departmental Transfers ... ... ... ... ... | 606 3 3 | |
| Miscellaneous ... ... ... ... ... ... | 19 10 4 | |
| | | 825 13 7 |
| Account between Bombay and P. W. D. (Railway Branch), N.-W. Railway— IV. Items adjustable by P. W. D. ... ... ... ... | ... | |
| Closing Balance ... | ... | 274 1 7 |
| Total ... | ... | 5,29,562 4 4 |

No. F/15455.

Forwarded to the Conservator of Forests, Sind Circle, under Sections 265, 267 and 268 of the Forest Department Code.

*Accountant General's Office,*
*Bombay, 3rd September* 1897.

E. LAWRENCE,
Accountant General.

# FORM No. 62.

## FOREST DEPARTMENT, SIND CIRCLE.

### *Annual Account Current for the Financial year* 1896-97.

| | Rs. a. p. | Rs. a. p. |
|---|---|---|
| To opening Balance ... ... ... ... ... ... ... | ... | 161 12 11 |
| VIII. Assessed Taxes—Income Tax— | | |
| Deductions by Government from Salaries and Pensions ... ... ... | ... | 1,055 6 11 |
| IX. Forest (as per summary) ... ... ... ... ... ... | ... | 3,32,087 0 2 |
| XIV. Interest— | | |
| Interest on arrears of Revenue ... ... ... ... ... | ... | |
| XXV. Miscellaneous— | | |
| Sale-proceeds of Stores and Materials ... ... ... ... | 0 6 0 | |
| Unclaimed deposits. Other deposits ... ... ... ... ... | ... | |
| | 0 6 0 | |
| Revenue Deposits (Forest) ... ... ... ... ... | ... | 16,695 4 2 |
| Cheques and Bills (Departmental cheques), Forests ... ... ... | ... | 1,36,972 7 7 |
| Advances Recoverable— | | |
| Forest Advances ... ... ... ... ... ... ... | 49,865 15 5 | |
| Tentage Advances ... ... ... ... ... ... ... | ... | |
| Objection Book Advances ... ... ... ... ... ... | 823 0 0 | |
| | | 50,688 15 5 |
| Cash Recoveries ... ... ... ... ... ... ... | ... | 2,642 13 0 |
| Forest Remittances— | | |
| Remittances to Treasuries ... ... ... ... ... ... | 83 11 7 | |
| Inter-departmental Transfers ... ... ... ... ... ... | 744 14 0 | |
| | | 828 9 7 |
| Bombay Uncovenanted Service, F. P. Fund— | | |
| Widows' Branch ... ... ... ... ... ... | ... | 62 10 0 |
| Account between India and Bombay— | | |
| III. Items adjustable by India— | | |
| Miscellaneous ... ... ... ... ... ... | 9 6 0 | |
| Bengal Military Orphan Fund ... ... ... ... ... | ... | |
| Bengal U. S. F. Pension Fund ... ... ... ... ... | ... | |
| | | 9 0 0 |
| Account between Bombay and P. W. D., Bombay— | | |
| IV. Payments into Treasuries by Civil Officers on account of P. W. D. ... ... | ... | 264 7 9 |
| Forest Officers' Provident Fund ... ... ... ... ... | ... | 1,529 1 5 |
| Total Rs... | ... | 5,42,997 14 11 |

| | Rs. a. p. | Rs. a. p. |
|---|---|---|
| 1. Refunds and Drawbacks—Refunds— | | |
| Divided Heads, Forest ... ... ... ... ... ... | ... | 1,654 8 0 |
| 11. Forest (as per summary) ... ... ... ... ... ... | ... | 1,32,023 15 6 |
| 14. Interest—Interest on other obligations— | | |
| Savings Bank Deposits ... ... ... ... ... | ... | |
| Interest on Forest Officer's Provident Fund ... ... ... ... | ... | 24 9 5 |
| Revenue Deposits (Forests, ... ... ... ... ... | ... | 17,813 5 8 |
| Cheques and Bills (Forest cheques cancelled) ... ... ... ... | ... | 1,233 0 0 |
| Advances Recoverable— | | |
| Forest Advances ... ... ... ... ... ... | 44,113 10 1 | |
| Tentage Advances ... ... ... ... ... ... | ... | |
| Objection Book Advances ... ... ... ... ... ... | 522 0 0 | |
| | | 44,635 10 1 |
| Cash Recoveries ... ... ... ... ... ... ... | ... | 2,642 13 0 |
| Forest Remittances— | | |
| Remittances to Treasuries ... ... ... ... ... | 3,42,063 14 11 | |
| Inter-departmental Transfers ... ... ... ... ... | ... | |
| | | 3,42,063 14 11 |
| Account Current— | | |
| Account between Bombay and Military, Bombay— | | |
| IV. Items adjustable by Military ... ... ... ... ... | ... | 7 7 9 |
| Account between Bombay and P. W. D., Bombay (Ordinary Branches)— | | |
| IV. Items adjustable by P. W. D. ... ... ... ... ... | ... | |
| Inter-departmental charges ... ... ... ... ... | 780 11 2 | |
| Miscellaneous ... ... ... ... ... ... | 19 10 4 | |
| Account between Bombay and P. W. D. (Railway Branch), N.-W. Railway— | | |
| IV. Items adjustable by P. W. D. ... ... ... ... ... | ... | |
| | | 800 5 6 |
| Closing Balance ... ... ... | ... | 99 5 1 |
| Total Rs... | ... | 5,42,997 14 11 |

No. $\frac{\text{F}}{13372}$.

Forwarded to the Conservator of Forests, Sind Circle, under Section 267 of the Forest Code.

*Accountant General's Office,*
*Bombay, 15th August* 1897.

E. LAWRENCE,
Accountant General.

FORM No. 63.

FOREST DEPARTMENT, SIND CIRCLE.

*Revenue received and Outstandings on account of Revenue during the Forest year* 1896-97.

| Division. | Particulars. | Outstandings at commencement of year. | Value of Sales and other Revenue during year. | Total. | Amount realised during year. | Balance due to the Department at end of year. | Remarks. |
|---|---|---|---|---|---|---|---|
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| Sukkur ... | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... ... ... ... ... ... | ..... | 523 11 9 | 523 11 9 | 523 11 9 | ..... | |
| | (b) Firewood and charcoal ... ... ... .. ... | ..... | 619 12 0 | 619 12 0 | 619 12 0 | ..... | |
| | (c) Grass and other minor produce ... ... ... ... | ..... | 197 14 11 | 197 14 11 | 197 14 11 | ..... | The outstandings under V.C. at the close of the year amount to Rs. 1,048-8-0. |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| | (a) Timber ... ... ... ... ... ... | 3,000 0 0 | 13,535 9 9 | 16,535 9 9 | 13,535 9 9 | 3,000 0 0 | |
| | (b) Firewood and charcoal ... ... ... ... ... ... | 12,000 0 0 | 63,694 2 6 | 75,694 2 6 | 66,249 11 4 | 9,444 7 2 | |
| | (d) Grazing and fodder grass ... ... ... .. ... | ..... | 18,683 1 9 | 18,683 1 9 | 18,683 1 9 | ..... | |
| | (e) Other minor produce ... ... ... ... ... | ..... | 2,396 1 2 | 2,396 1 2 | 1,956 2 2 | 439 5 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | 96 12 2 | 96 12 8 | 96 12 2 | ..... | |
| | Total ... | 15,000 0 0 | 99,747 2 0 | 1,14,747 2 0 | 1,01,863 5 10 | 12,883 12 2 | |
| Naushahro | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... ... ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| | (b) Firewood and charcoal ... ... ... ... ... | 21 14 2 | 489 1 9 | 510 15 11 | 497 14 11 | 13 1 0 | |
| | (c) Grass and other minor produce ... ... ... ... | ..... | ..... | ..... | ..... | ..... | The outstandings under V.C. at close of the year amount to Rs. 1,309. |
| | II.—Timber and other produce removed from the forests by consumers and purchasers— | | | | | | |
| | (a) Timber ... ... ... ... ... ... ... | 1,100 0 0 | 5,013 14 6 | 6,113 14 6 | 5,113 14 6 | 1,000 0 0 | |
| | (b) Firewood and charcoal ... ... ... ... ... ... | 4,400 0 0 | 19,711 1 1 | 24,111 1 1 | 19,111 1 1 | 5,000 0 0 | |
| | (d) Grazing and fodder grass ... ... ... ... ... | ..... | 9,549 1 3 | 9,549 1 3 | 9,549 1 3 | ..... | |
| | (e) Other minor produce ... ... ... ... ... | 695 11 0 | 1,302 14 0 | 1,998 9 0 | 1,680 12 0 | 317 13 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| | Total ... | 6,217 9 2 | 36,066 0 7 | 42,283 9 9 | 35,952 11 9 | 6,330 14 0 | |
| Hyderabad | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... ... ... ... ... ... | ..... | 118 8 6 | 118 8 6 | 118 8 6 | ..... | |
| | (b) Firewood and charcoal ... ... ... ... ... | 30 0 0 | 2,235 13 1 | 2,265 13 1 | 2,265 13 1 | ..... | |
| | (c) Grass and other minor produce ... ... ... ... | ..... | 51 7 10 | 51 7 10 | 51 7 10 | ..... | The outstandings under V.C. at close of the year amount to Rs. 927. |
| | II.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... ... ... ... ... ... ... | 6,100 0 0 | 34,876 13 7 | 40,976 13 7 | 28,576 13 7 | 12,400 0 0 | |
| | (b) Firewood and charcoal ... ... ... ... ... ... | 9,150 0 0 | 43,847 10 11 | 52,997 10 11 | 34,397 10 11 | 18,600 0 0 | |
| | (d) Grazing and fodder grass ... ... ... ... ... | ..... | 17,087 4 7 | 17,087 4 7 | 17,071 10 1 | 15 10 6 | |
| | (e) Other minor produce ... ... ... ... ... ... | 7,851 8 0 | 20,386 8 2 | 28,238 0 2 | 18,823 0 2 | 9,415 0 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| | Total ... | 23,131 8 0 | 1,18,604 2 8 | 1,41,735 10 8 | 1,01,305 0 2 | 40,430 10 6 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Jerruck** | I.—Timber and other produce removed from the forests by Government agency— | | | | | |
| | (a) Timber | ..... | 35 15 11 | 35 15 11 | 35 15 11 | ..... |
| | (b) Firewood and charcoal | ..... | 722 1 6 | 722 1 6 | 722 1 6 | ..... |
| | (c) Grass and other minor produce | ..... | 32 8 0 | 32 8 0 | 32 8 0 | ..... |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | |
| | (a) Timber | ..... | 8,148 6 8 | 8,148 6 8 | 8,148 6 8 | ..... |
| | (b) Firewood and charcoal | 7,750 0 0 | 27,134 5 7 | 34,884 5 7 | 23,233 3 0 | 11,651 2 7 |
| | (d) Grazing and fodder grass | ..... | 13,165 11 3 | 13,165 11 3 | 13,165 11 3 | ..... |
| | (e) Other minor produce | 2,174 0 0 | 4,928 1 0 | 7,102 1 0 | 3,149 1 0 | 3,953 0 0 |
| | III.—Drift and waif wood and confiscated forest produce | ..... | 1 0 0 | 1 0 0 | 1 0 0 | ..... |
| | Total | 9,924 0 0 | 54,168 1 11 | 64,092 1 11 | 48,487 15 4 | 15,604 2 7 |
| **Thar and Parkar.** | I.—Timber and other produce removed from the forests by Government agency— | | | | | |
| | (a) Timber | ..... | ..... | ..... | ..... | ..... |
| | (b) Firewood and charcoal | ..... | 2,551 10 11 | 2,551 10 11 | 2,551 10 11 | ..... |
| | II —Timber and other produce removed from the forests by consumers or purchasers— | | | | | |
| | (a) Timber | ..... | 281 11 0 | 281 11 0 | 281 11 0 | ..... |
| | (b) Firewood and charcoal | ..... | 6 2 0 | 6 2 0 | 6 2 0 | ..... |
| | (d) Grazing and fodder grass | ..... | 2,585 1 0 | 2,585 1 0 | 25,85 1 0 | ..... |
| | (e) Other minor produce | ..... | 781 3 0 | 781 3 0 | 781 3 0 | ..... |
| | III.—Drift and waif wood and confiscated forest produce | ..... | ..... | ..... | ..... | ..... |
| | Total | ..... | 6,205 11 11 | 6,205 11 11 | 6,205 11 11 | ..... |
| **Total of the Circle.** | I.—Timber and other produce removed from the forests by Government agency— | | | | | |
| | (a) Timber | ..... | 678 4 2 | 678 4 2 | 678 4 2 | ..... |
| | (b) Firewood and charcoal | 51 14 2 | 6,618 7 3 | 6,670 5 5 | 6,657 4 5 | 13 1 0 |
| | (c) Grass and other minor produce | ..... | 281 14 9 | 281 14 9 | 281 14 9 | ..... |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | |
| | (a) Timber | 10,200 0 0 | 61,856 7 6 | 72,056 7 6 | 55,656 7 6 | 16,400 0 0 |
| | (b) Firewood and charcoal | 33,300 0 0 | 1,54,393 6 1 | 1,87,693 6 1 | 1,42,997 12 4 | 44,695 9 9 |
| | (d) Grazing and fodder grass | ..... | 61,070 3 10 | 61,070 3 10 | 61,054 9 4 | 15 10 6 |
| | (e) Other minor produce | 10,721 3 0 | 29,794 11 4 | 40,515 14 4 | 26,390 12 4 | 14,125 2 0 |
| | III.—Drift and waif wood and confiscated forest produce | ..... | 97 12 2 | 97 12 2 | 97 12 2 | ..... |
| | Total | 54,273 1 2 | 3,14,791 3 1 | 3,69,064 4 3 | 2,93,814 13 0 | 75,249 7 3 |

The outstandings under V. C. at close of the year amount to Rs. 3,284-8-0.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 63.

## FOREST DEPARTMENT, SIND CIRCLE DIVISION.

*Revenue received and Outstandings on account of Revenue during the Financial year* 1896-97.

| Division. | Particulars. | Outstandings at commencement of year. | Value of sales and other Revenue during year. | Total. | Amount realised during year. | Balance due to the Department at end of year. | Remarks. |
|---|---|---|---|---|---|---|---|
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| Sukkur ... | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... | ..... | 351 12 8 | 351 12 8 | 351 12 8 | ..... | The outstandings under V. C. at close of the year amount to Rs. 136-2-3. |
| | (b) Firewood and charcoal ... | 261 4 6 | 661 3 3 | 922 7 9 | 922 7 9 | ..... | |
| | (c) Grass and other minor produce ... | ..... | 161 10 5 | 161 10 5 | 161 10 5 | ..... | |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| | (a) Timber ... | 5,000 0 0 | 13,593 14 10 | 18,593 14 10 | 10,593 14 10 | 8,000 0 0 | |
| | (b) Firewood and charcoal ... | 24,000 0 0 | 66,716 0 7 | 90,716 0 7 | 61,382 11 3 | 29,333 5 4 | |
| | (d) Grazing and fodder grass ... | ..... | 19,193 5 8 | 19,193 5 8 | 19,193 5 8 | ..... | |
| | (e) Other minor produce ... | ..... | 1,667 1 8 | 1,667 1 8 | 1,545 11 8 | 121 6 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... | ..... | 99 12 2 | 99 12 2 | 99 12 2 | ..... | |
| | Total ... | 29,261 4 6 | 1,02,144 13 3 | 1,31,706 1 9 | 94,251 6 5 | 37,454 11 4 | |
| Naushahro. | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... | ..... | ..... | ..... | ..... | ..... | The outstandings under V. C. at close of the year amount to Rs. 724. |
| | (b) Firewood and charcoal ... | 471 5 1 | 523 13 4 | 995 2 5 | 893 2 3 | 102 0 2 | |
| | (c) Grass and other minor produce ... | ..... | ..... | ..... | ..... | ..... | |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| | (a) Timber ... | 2,200 0 0 | 5,088 1 4 | 7,288 1 4 | 6,288 1 4 | 1,000 0 0 | |
| | (b) Firewood and charcoal ... | 8,892 9 6 | 20,897 11 1 | 29,790 4 7 | 24,790 4 7 | 5,000 0 0 | |
| | (d) Grazing and fodder grass ... | ..... | 9,513 2 3 | 9,513 2 3 | 9,513 2 3 | ..... | |
| | (e) Other minor produce ... | 543 0 0 | 2,025 6 0 | 2,568 6 0 | 1,773 6 0 | 795 0 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... | ..... | 0 12 0 | 12 0 | 12 0 | ..... | |
| | Total ... | 12,106 14 7 | 38,048 14 0 | 50,155 12 7 | 43,258 12 5 | 6,897 0 2 | |
| Hyderabad. | I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| | (a) Timber ... | 27 0 8 | 120 12 6 | 147 13 2 | 147 13 2 | ..... | The outstandings under V. C. at close of the year amount to Rs. 927. |
| | (b) Firewood and charcoal ... | 36 0 0 | 2,388 1 5 | 2,424 1 5 | 2,406 1 5 | 18 0 0 | |
| | (c) Grass and other minor produce ... | ..... | 43 15 0 | 43 15 0 | 43 15 0 | ..... | |
| | II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| | (a) Timber ... | 12,200 0 0 | 32,238 11 2 | 44,438 11 2 | 32,038 11 2 | 12,400 0 0 | |
| | (b) Firewood and charcoal ... | 18,300 0 0 | 44,369 10 10 | 62,669 10 10 | 44,069 10 10 | 18,600 0 0 | |
| | (d) Grazing and fodder grass ... | ..... | 16,330 7 7 | 16,330 7 7 | 16,314 13 1 | 15 10 6 | |
| | (e) Other minor produce ... | 12,504 0 0 | 20,230 7 2 | 32,734 7 2 | 18,936 7 2 | 13,798 0 0 | |
| | III.—Drift and waif wood and confiscated forest produce ... | ..... | ..... | ..... | ..... | ..... | |
| | Total ... | 43,067 0 8 | 1,15,722 1 8 | 1,58,789 2 4 | 1,13,957 7 10 | 44,831 10 6 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Jerruck ...** | | | | | | |
| I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| (a) Timber ... ... ... ... ... ... | ..... | 7 13 0 | 7 13 0 | 7 13 0 | ..... | |
| (b) Firewood and charcoal ... ... ... ... ... | 54 1 3 | 990 4 5 | 1,044 5 8 | 1,044 5 8 | ..... | |
| (c) Grass and other minor produce ... ... ... ... | ..... | 32 8 0 | 32 8 0 | 32 8 0 | ..... | |
| II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| (a) Timber ... ... ... ... ... ... | ..... | 8,548 15 0 | 8,548 15 0 | 6,508 2 9 | 2,040 12 3 | |
| (b) Firewood and charcoal ... ... ... ... ... | 15,500 0 0 | 19,590 1 2 | 35,090 1 2 | 29,906 11 11 | 5,183 5 3 | |
| (d) Grazing and fodder grass ... ... ... ... ... | ..... | 12,918 0 9 | 12,918 0 9 | 12,918 0 9 | ..... | |
| (e) Other minor produce ... ... ... ... ... | 719 0 0 | 8,930 3 8 | 9,649 3 8 | 5,696 3 8 | 3,953 0 0 | |
| III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | 10 0 0 | 10 0 0 | 00 0 | ..... | |
| Total ... | 16,273 1 3 | 51,027 14 0 | 67,300 15 3 | 56,123 13 9 | 11,177 1 6 | |
| **Thar and Parkar.** | | | | | | |
| I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| (a) Timber ... ... ... ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| (b) Firewood and charcoal ... ... ... ... ... | 655 15 4 | 912 13 6 | 1,568 12 10 | 1,116 14 1 | 451 14 9 | |
| (c) Grass and other minor produce ... ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| II.—Timber and other produce removed from the forests by consumers or purchasers— | | | | | | |
| (a) Timber ... ... ... ... ... ... | ..... | 98 3 0 | 98 3 0 | 98 3 0 | ..... | |
| (b) Firewood and charcoal ... ... ... ... ... | ..... | 6 2 0 | 6 2 0 | 6 2 0 | ..... | |
| (d) Grazing and fodder grass ... ... ... ... ... | ..... | 2,957 6 11 | 2,957 6 11 | 2,957 6 11 | ..... | |
| (e) Other minor produce ... ... ... ... ... | ..... | 745 14 0 | 745 14 0 | 745 14 0 | ..... | |
| III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | ..... | ..... | ..... | ..... | |
| Total ... | 655 15 4 | 4,720 7 5 | 5,376 6 9 | 4,924 8 0 | 451 14 9 | |
| **Total, of the Sind Circle.** | | | | | | |
| I.—Timber and other produce removed from the forests by Government agency— | | | | | | |
| (a) Timber ... ... ... ... ... ... | 27 0 8 | 480 6 2 | 507 6 10 | 507 6 10 | ..... | |
| (b) Firewood and charcoal ... ... ... ... ... | 1,478 10 2 | 5,476 3 11 | 6,954 14 1 | 6,382 15 2 | 571 14 11 | |
| (c) Grass and other minor produce ... ... ... ... | ..... | 238 1 5 | 238 1 5 | 238 1 5 | ..... | |
| II.—Timber and other minor produce removed from the forests by consumers or purchasers— | | | | | | |
| (a) Timber ... ... ... ... ... ... | 19,400 0 0 | 59,567 13 4 | 78,967 13 4 | 55,527 1 1 | 23,440 12 3 | |
| (b) Firewood and charcoal ... ... ... ... ... | 66,692 9 6 | 1,51,579 9 8 | 2,18,272 3 2 | 1,60,155 8 7 | 58,116 10 7 | |
| (d) Grazing and fodder grass ... ... ... ... ... | ..... | 60,912 7 2 | 60,912 7 2 | 60,896 12 8 | 15 10 6 | |
| (e) Other minor produce ... ... ... ... ... | 13,766 0 0 | 33,599 0 6 | 47,365 0 6 | 28,697 10 6 | 18,667 6 0 | |
| III.—Drift and waif wood and confiscated forest produce ... ... ... | ..... | 110 8 2 | 110 8 2 | 110 8 2 | ..... | |
| Total ... | 1,01,364 4 4 | 3,11,964 2 4 | 4,13,328 6 8 | 3,12,516 0 5 | 1,00,812 6 3 | |

The outstandings under V. C. at close of the year amount to Rs. 1,787-2-3.

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# FORM No. 64.

## FOREST DEPARTMENT, SIND CIRCLE.

*Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year* 1896-97 (*July* 1896 *to June* 1897).

| Division. | DEPARTMENT DEBTOR. | | | DEPARTMENT CREDITOR. | | | BALANCE DUE. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | At commencement of Forest year July 1895 to June 1896. | Recoveries in cash and value of supplies and work done during Forest year 1896-97. | At close of Forest year 1896-97. | At commencement of Forest year 1896-97. | Payments made during Forest year 1896-97. | At close of Forest year 1896-97. | To Department (outstandings). | By Department (liabilities). | |
| *Contractors.* | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| Direction ... ... ... | ..... | 50 0 0 | 50 0 0 | ..... | 50 0 0 | 50 0 0 | ..... | ..... | |
| Naushahro ... ... ... | ..... | 15 0 0 | 15 0 0 | ..... | 15 0 0 | 15 0 0 | ..... | ..... | |
| Jerruck ... ... ... | ..... | 84 4 0 | 84 4 0 | 110 4 0 | ..... | 110 4 0 | 26 0 0 | ..... | |
| Working Plans ... ... | ..... | 100 0 0 | 100 0 0 | ..... | 100 0 0 | 100 0 0 | ..... | ..... | |
| Total Contractors ... | ..... | 249 4 0 | 249 4 0 | 110 4 0 | 165 0 0 | 275 4 0 | 26 0 0 | ..... | |
| *Disbursers.* | | | | | | | | | |
| Hyderabad ... ... ... | ..... | 13,079 15 3 | 13,079 15 3 | 1,827 13 3 | 12,208 1 2 | 14,035 14 5 | 955 15 2 | ..... | |
| Naushahro ... ... ... | ..... | 9,075 1 0 | 9,075 1 0 | 1,263 11 10 | 9,540 8 11 | 10,804 4 9 | 1,729 3 9 | ..... | |
| Sukkur ... ... ... | ..... | 22,054 6 8 | 22,054 6 8 | 4,444 12 10 | 19,325 12 6 | 23,770 2 4 | 1,715 11 8 | ..... | |
| Jerruck ... ... ... | ..... | 6,804 9 5 | 6,804 9 4 | 1,319 2 7 | 6,658 6 0 | 7,977 8 7 | 1,172 15 2 | ..... | |
| Thar and Parkar ... ... | ..... | 445 9 0 | 445 9 0 | ..... | 695 9 0 | 695 9 0 | 250 0 0 | ..... | |
| Working Plans ... ... | ..... | 50 0 0 | 50 0 0 | ..... | 50 0 0 | 50 0 0 | ..... | ..... | |
| Total Disbursers ... | ..... | 51,509 9 4 | 51,509 9 4 | 8,855 8 6 | 48,477 14 7 | 57,333 7 1 | 5,823 13 9 | ..... | |
| GRAND TOTAL ... | ..... | 51,758 13 4 | 51,758 13 4 | 8,965 12 6 | 48,642 14 7 | 57,608 11 1 | 5,849 13 9 | ..... | |

Forwarded to the Deputy Conservator of Forests, Sind Circle, under Section 267 of the Forest Department Code.

*Accountant General's Office,*
*Bombay, 3rd September* 1897.

E. LAWRENCE,
Accountant General.

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# FORM No. 64.

## FOREST DEPARTMENT, SIND CIRCLE.

*Outstandings and Liabilities on account of Contractors and Disbursers for the Financial Year* 1895-96.

| Division. | Department Debtor. | | | Department Creditor. | | | Balance due. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | At commencement of year. | Recoveries in cash and value of supplies and work done during year 1895-96. | At close of year. | At commencement of year. | Payments made during year. | At close of year. | To Department (outstandings). | By Department (liabilities). | |
| *Contractors.* | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| Direction ... ... ... | ..... | 50 0 0 | 50 0 0 | ..... | 50 0 0 | 50 0 0 | ..... | ..... | |
| Hyderabad ... ... ... | ..... | 1,026 8 8 | 1,026 8 8 | 1,026 8 8 | ..... | 1,026 8 8 | ..... | ..... | |
| Naushahro ... ... ... | ..... | 15 0 0 | 15 0 0 | ..... | 15 0 0 | 15 0 0 | ..... | ..... | |
| Jerruck ... ... ... | ..... | 311 0 0 | 311 0 0 | 376 4 0 | ..... | 376 4 0 | 65 4 0 | ..... | |
| Working Plans ... ... | ..... | ..... | ..... | ..... | 100 0 0 | 100 0 0 | 100 0 0 | ..... | |
| Total Contractors ... | ..... | 1,402 8 8 | 1,402 8 8 | 1,402 8 8 | 165 0 0 | 1,567 12 8 | 165 4 0 | ..... | |
| *Disbursers.* | | | | | | | | | |
| Hyderabad ... ... ... | ..... | 10,667 2 6 | 10,667 2 6 | 1,682 15 1 | 9,292 1 2 | 10,975 0 3 | 307 13 9 | ..... | |
| Naushahro ... ... ... | ..... | 10,444 9 3 | 10,444 9 3 | 1,554 7 8 | 9,659 1 7 | 11,213 9 3 | 769 0 0 | ..... | |
| Sukkur ... ... ... | ..... | 22,167 5 11 | 22,167 5 11 | 3,738 1 0 | 20,093 13 6 | 23,831 14 6 | 1,664 8 7 | ..... | |
| Jerruck ... ... ... | ..... | 4,738 12 1 | 4,738 12 1 | 1,038 5 8 | 4,408 0 10 | 5,446 6 6 | 707 10 5 | ..... | |
| Thar and Parkar ... ... | ..... | 445 9 0 | 445 9 0 | ..... | 445 9 0 | 445 9 0 | ..... | ..... | |
| Working Plans ... ... | ..... | ..... | ..... | ..... | 50 0 0 | 50 0 0 | 50 0 0 | ..... | |
| Total Disbursers ... | ..... | 43,463 6 9 | 48,463 6 9 | 8,013 13 5 | 43,948 10 1 | 51,962 7 6 | 3,499 0 9 | ..... | |
| TOTAL ... | ..... | 49,865 15 5 | 49,865 15 5 | 9,416 10 1 | 44,113 10 1 | 53,530 4 2 | 3,664 4 9 | ..... | |

Forwarded to the Deputy Conservator of Forests, Sind Circle, under Section 267 of the Forest Department Code.

*Accountant General's Office,*
*Bombay,——August* 1897.

E. LAWRENCE,
Accountant General.

## FORM No. 65.

### FOREST DEPARTMENT, SIND CIRCLE.

*Financial Results of the Forest year* 1896-97.

| Division. | TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY. | | OTHER REVENUE. | | FORMATION, PROTECTION AND IMPROVEMENT OF FORESTS. | TOTAL. | | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| | Receipts. | Charges. | Receipts. | Charges. | Charges. | Receipts. | Charges. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Sukkur ... ... ... | 1,341 | 12,245 | 1,08,982 | 11,561 | 15,165 | 1,10,323 | 38,971 | |
| Naushahro ... ... ... | 498 | 6,413 | 41,148 | 6,512 | 7,471 | 41,646 | 20,396 | |
| Hyderabad ... ... ... | 2,436 | 8,354 | 1,00,610 | 8,209 | 11,682 | 1,03,046 | 28,245 | |
| Jerruck ... ... ... | 791 | 8,613 | 50,203 | 8,561 | 11,872 | 50,994 | 29,046 | |
| Thar and Parkar ... ... ... | 2,551 | 2,313 | 3,737 | 479 | 483 | 6,288 | 3,275 | |
| Working Plans ... ... ... | ... | 3,666 | ... | 6,942 | 3,668 | ... | 14,276 | |
| Total ... | 7,617 | 41,604 | 3,04,680 | 42,264 | 50,341 | 3,12,297 | 1,34,209 | |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

# ANNUAL REPORT

OF

# No. 17 PARTY, BOMBAY FORESTS,

FOR

# 1896-97.

## FORM No. 65.

### FOREST DEPARTMENT, SIND CIRCLE.

*Financial Results of the Financial year* 1896-97.

| Division. | TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY. | | OTHER REVENUE. | | FORMATION, PROTECTION AND IMPROVEMENT OF FORESTS. | TOTAL. | | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | Receipts. | Charges. | Receipts. | Charges. | Charges. | Receipts. | Charges. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Sukkur ... ... ... | 1,436 | 12,048 | 1,02,481 | 11,393 | 15,628 | 1,03,917 | 39,069 | |
| Naushahro ... ... ... | 893 | 6,792 | 47,892 | 6,860 | 8,401 | 48,785 | 22,053 | |
| Hyderabad ... ... ... | 2,598 | 8,272 | 1,13,014 | 8,589 | 12,211 | 1,15,612 | 29,072 | |
| Jerruck ... ... ... | 1,085 | 8,320 | 57,590 | 8,222 | 11,520 | 58,675 | 28,062 | |
| Thar and Parkar ... ... ... | 1,117 | 1,564 | 3,863 | 416 | 418 | 4,980 | 2,398 | |
| Working Plans ... ... ... | ..... | 2,512 | 118 | 2,942 | 5,916 | 118 | 11,370 | |
| Total ... | 7,129 | 39,508 | 3,24,958 | 38,422 | 54,094 | 3,32,087 | 1,32,024 | |

F. R. DASAI,
Conservator of Forests,
Sind Circle.

*Annual Report of No. 17 Party (Bombay Forests) Survey of India for 1896-97.*

The charge of this party remained in the hands of Major W. J. Bythell, R. E., throughout the year, with the exception of the periods 1st October to 2nd November 1896, when he was on privilege leave; and 8th to 30th September 1897, when he was deputed on service with the Mohmand Field Force, as Survey Officer, when Mr. Tapsell held temporary charge.

*Personnel.*

Major W. J. Bythell, R. E., Deputy Superintendent, 1st Grade, in charge.
Mr. C. E. Tapsell, Extra Assistant Superintendent, 3rd Grade.
Mr. S. F. Norman, do. do. 6th Grade.
Mr. C. A. Norman, do. do. do.

*Surveyors and Sub-Surveyors.*

Gopal Vishnu (up to 30th June 1897), G. R. Bhopatkar, R. V. Joshi, Govind Gopal, N. V. Bhopatkar, and 39 others.

The period now reported on is from 1st October 1896 to 30th September 1897.

As in previous years, the party continued the survey of forest areas on various scales in the three circles of the Bombay Presidency.

These operations comprised :—

*1.—In the Northern Circle.*

Advance triangulation in the Mándvi Táluka of the Surat Collectorate.
Detail survey on the 8-inch scale of the teak reserves in the Máhim Táluka.

*2.—In the Central Circle.*

Completion of the 4-inch detail of ordinary forest reserves (mentioned in the programme contained in last year's report) in the Bhimthadi and Purandhar Tálukas, Poona District. Detail survey on the 8-inch scale of the teak reserves, and on the 4-inch scale of the ordinary forest reserves, in the Akola Táluka of the Ahmednagar District, completing the survey of that táluka. In this táluka an area of 161 square miles of supplementary triangulation was carried on by Mr. C. A. Norman *pari passu* with the detail survey, chiefly with a view to furnishing extra heights for plane-tablers Detail survey on the 16-inch scale of bábul reserves in the Nevása and Ráhuri Tálukas of the Ahmednagar District.

*3.—In the Southern Circle.*

Advance triangulation in the Roha Táluka of the Kolába District.

Advance triangulation and traversing in the Kumta, Sirsi, Siddápur and Honávar tálukas of the North Kánara District, by which the area remaining for triangulation in that district has been completed, *viz.*, 830 square miles.

Detail survey on the 4-inch scale of the forest areas in portions of the Ankola, Kumta and Sirsi tálukas, and completion of small areas left unsurveyed last year in the Yellápur Táluka.

In addition it was found necessary to carry out a small amount of revision work over a section adjoining one of the small areas mentioned above and to add certain boundaries and other details to work done during a previous season in the Alibág Táluka of the Kolába District, when the surveyors were unprovided with revision survey village maps.

Duration of Field Season.

The party left Poona for the field between the 15th and 20th November 1896, and survey operations were closed between the end of May and 10th of June 1897, when it returned to recess quarters.

Cost rates.

The following table gives the total cost of the party for the year under report with the apportionment of charges to each of the three Circles :—

| Circle. | Financial year ending 31st March 1897. | | | Forest year ending 30th June 1897. | | | Survey year ending 30th September 1897. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Rs. | a. | p. | Rs. | a. | p. | Rs. | a. | p. |
| Northern ... ... ... | 10,507 | 6 | 3 | 10,615 | 4 | 7 | 10,766 | 6 | 1 |
| Central ... ... ... | 31,035 | 8 | 7 | 31,355 | 15 | 0 | 31,802 | 3 | 9 |
| Southern ... ... ... | 39,279 | 4 | 3 | 39,684 | 13 | 6 | 40,249 | 11 | 1 |
| Total ... | 80,822 | 3 | 1 | 81,656 | 1 | 1 | 82,818 | 4 | 11 |

The cost rates as usual are based on the total expenditure during the survey year, *i.e.*, on the actual cost of a survey and of the mapping pertaining thereto.

The Statements A, B and C at the end of this report show the total areas completed in each Circle, of each description of survey with their respective cost rates.

Area surveyed.

The following table shows the total areas surveyed in square miles, as compared with the outturn for 1895-96 :—

| Description of Survey. | 1895-96. | | | 1896-97. | | |
|---|---|---|---|---|---|---|
| | 4″ | 8″ | 16″ | 4″ | 8″ | 16″ |
| Triangulation ... ... | 280 | 225 | ... | 1,041 | 335 | ... |
| Traversing ... ... | 344 | ... | ... | 234 | 10 | ... |
| Topography ... ... | 829 | 108 | 15 | 522 | 168 | 33 |

These figures show a considerable increase in the triangulation for both 4″ and 8″ work. An area of 880 square miles was triangulated in North Kánara, thus completing that class of work in that district. A small area still remains for traversing. The outturn of 4″ topography is considerably below that of last year, chiefly owing to the fact that only one division of plane-tablers was employed throughout the field season in North Kánara. Both the 8″ and 16″ topography show a considerable increase over the outturn for last year.

Cost rates.

The cost rates for the different classes of survey, as compared with those of the two previous years (1894-95 and 1895-96), are shown in the following table :—

| Description of Survey. | 1894-95. Cost rate per square mile. | | | 1895-96. Cost rate per square mile. | | | 1896-97. Cost rate per square mile. | | |
|---|---|---|---|---|---|---|---|---|---|
| | 4″ | 8″ | 16″ | 4″ | 8″ | 16″ | 4″ | 8″ | 16″ |
| Triangulation ... ... | 8·8 | 15·0 | ... | 7·1 | 3·5 | ... | 9·5 | 5·3 | ... |
| Traversing ... ... | 29·5 | 4·8 | ... | 12·3 | ... | ... | 11·3 | 4·8 | ... |
| Topography ... ... | 81·0 | 139·5 | 116·5 | 66·8 | 122·5 | 130·0 | 77·6 | 135·7 | 156·06 |

The above table shows throughout an increase in the cost rates for Topography, as compared with the figures for 1895-96, and is due primarily and solely to the fact that the expenditure in supervision for 1895-96 was less by Rs. 7,700 owing to Colonel Hobday's absence on furlough for over 4 months of the year and Mr. Tapsell's holding charge of the party in addition to his other duties during that period.

The cost rates of the 4″ and 8″ scale surveys not only bear comparison with the figures of previous years, excluding 1895-96, but are actually cheaper; with regard to the 16″ work, where the largest increase occurs, *viz.*, Rs. 26-1-7 per square mile, as compared with the figures for 1895-96, the only apparent reason is that the hands employed on it throughout the season were very junior sub-surveyors. Considering the rugged and hilly nature of the country under survey on the 4″ and 8″ scales, it was found impossible to depute men of experience in hill delineation to the 16″ work, as they could be more profitably employed elsewhere, and so junior sub-surveyors and apprentices were put on this work, which has been found to be an excellent training ground for such men. It may be remarked that Major Bythell, in his report for 1895-96, anticipated the enhancement of cost rates and had a clause to the effect that these figures "may be said to have here reached the minimum, which it will hardly be possible to maintain during the future."

The increase in the cost of triangulation, both for the 4″ and 8″ scales, is accounted for by the fact that European Agency was employed in the Central Circle, whereas last season Native Agency was entirely used; on the other hand, the traversing was executed at a cheaper rate.

The Surveyor-General, during his late inspection of this office, on reviewing the Annual Report for 1896-97, has appended a remark that "Native Agency should always be employed on triangulation if possible" which will be attended to in future.

Areas remaining for survey.

The accompanying table shows the total area of forests—both Reserved, Protected and Proposed—in each Circle, as it stood on the 30th June 1896, and the aggregate actual forest area surveyed by this party up to the same date :—

| Circle. | Total forest area on 30th June 1896 in square miles. | Total of actual forest area surveyed up to 30th June 1896 in square miles. | Remaining to be surveyed. |
|---|---|---|---|
| Northern ... ... | 1,619 | 751 | 868 |
| Central ... ... ... | 6,351 | 1,461 | 4,890 |
| Southern ... ... ... | 5,246 | 2,267 | 2,979 |

The above table does not include an area of 678½ square miles of leased forest in the Dangs, in the Northern Circle, the survey of which has been completed.

Examination of work and tours of Superintendent.

The detail survey was checked by 146·70 linear miles of check lines as well as by *in situ* fixings whilst the work was in progress.

Early in December the Superintendent left Poona and marched *viâ* Ráhuri and Sangamner to Akola in the Ahmednagar District, where the camps of Messrs. S. and C. Norman were engaged on the 8″ detail survey. Most of the plane-tablers were seen at their work. After a hurried visit to Poona from 2nd to 8th January to settle pay-bills, reports, &c., the Superintendent returned to the Akola Táluka *viâ* Ghoti and Wáki and continued the inspection of the 8″ and 4″ work. With two exceptions, all the men were seen whilst at work and their plane-tables tested by *in situ* fixings. At the end of February orders were received by the Superintendent to hold himself in readiness to join the Mohmand Boundary Demarcation Commission under Mr. Udny at Pesháwar. As these orders were confirmed, he thought it advisable to return to Poona and await further instructions there. He accordingly remained in Poona until the end of March, when orders were received to cancel arrangements, as the Commission was postponed. The Superintendent then proceeded to the Ráhuri Táluka, where he inspected the 16″ work in progress there, under the charge of Surveyor Gopal Vishnu, and remained there until the middle of April, when he proceeded *viâ* Poona to Haveri on the Southern Marátha Railway, whence he marched into

the North Kánara District *viâ* Alúr to Sirsi. Several of the men of Mr. Tapsell's camp were seen at work in the Ankola and Kumta tálukas, and the Superintendent remained in the district until the end of May, when he marched *viâ* Yellápur to Hubli, reaching Poona on the 4th of June.

Work of Assistants.—Mr. C. Tapsell.

Mr. Tapsell left Poona on the 18th of November and embarked at Bombay on the 20th, reaching Kárwár on the 22nd idem. Work was fairly started before the end of the month and Mr. Tapsell remained in the district, inspecting and checking the work of his men until the end of May, when he returned to recess quarters at Poona.

The country immediately along the coast in the Ankola Táluka of the North Kánara District consists of undulating ground and low hills covered with scrub jungle, paddy being largely cultivated on the low-lying lands; but only a few miles inland there are high ridges of hills emanating from the main mass of ghâts, with long projecting spurs, covered with dense forest, extremely difficult to survey. The River Gangávalli runs through the breadth of the country surveyed during the season, from north-east to south-west, and has a belt of high bamboo jungle on either bank.

The work was carried on principally in the Ankola Táluka, the survey of which, with the remaining portion of the Kárwár Táluka, was completed. Small bits of the Kumta and Sirsi tálukas, which come into sheets 248 and 280, were also surveyed, as also the remaining portions of sheet 280 in the Yellápur Táluka. Owing to the early and sudden cessation of the rain during the monsoons, there was a great drought of water as early as the beginning of March, which was at its worst in April and the first two weeks in May. Most of the wells and springs were dry, and the surveyors had to undergo great hardship for the want of water and to go long distances to work.

The Superintendent reports with regret the death of two of the best sub-surveyors of this detachment (Kánara), Virappa Piráji and Raghunáth Náráyen, the former from pneumonia, the latter from cholera, which took place at Poona shortly after the return of the party to recess quarters. Virappa Piráji had served in the Bombay Sappers and Miners prior to being employed in the Survey Department. He was an accurate plane-tabler and an able draftsman. Raghunáth Náráyen was a comparatively young hand, but had become a most efficient plane-tabler and a good draftsman.

There was a great deal of dysentery and fever among the men during the latter half of the season.

Mr. S. Norman.

Mr. S. Norman, who was in charge of No. 2 camp, left Poona on the 18th November 1896 by rail for Ghoti Station near Igatpuri and from thence marched into the Akola Táluka of the Ahmednagar District, where he started the survey of the teak-bearing forests on the 8″ scale. He superintended this work till its completion early in February, covering 96·14 square miles. He next, in conjunction with his brother, supervised the work of the remaining area on the 4″ scale up to the 15th March of 117·77 square miles. The survey of the whole of the forest area of Akola Táluka has now been completed: The country under survey comes under the appellation of Dang and is inhabited by a race of Kolis: it is all more or less hilly, but in the vicinity of the ghâts there are several ranges, which rise to heights between 4 and 5,000 feet and include the highest point in the Bombay Presidency, known as Kalsubai, of which the height is 5,415 feet above sea level.

On or about the 20th March, No. 2 camp, under Mr. S. Norman, moved down by rail to the Máhim Táluka of the Thána District, where work was undertaken on the scale of 8″ = 1 mile, the members of No. 3 camp (Mr. C. Norman's) moving down into this táluka as the work approached completion in the Akola Táluka and after the 1st May both camps were fully at work. An area of 51·7 square miles was completed by the end of the season, when the camps returned to Poona for recess. At the request of the Conservator of Forests, Northern Circle, the demarcation of the sub-blocks was again undertaken, as in the Vádá Táluka, of which mention was made in last year's report; 246 coupes were laid out on the ground and 903 cairns were erected at a total cost of Rs. 227-11-6, giving an average cost of Re. 0-4-1 per cairn.

The country under survey in the Thána District included two ranges of hills divided by the Vaitarna River, which forms a tidal creek beyond the limits of the work undertaken. The old hill fort of Tandulvádi occupies a central position on the range west of the creek, the highest point of the range being 1,547 feet above sea level. The whole area under survey is covered with a dense forest of teak, and, compared with the work in the Akola Táluka, presented a great many more difficulties to the surveyor.

The general health of both camps was good throughout the season.

Mr. C. Norman.

Mr. C. Norman left Poona about the middle of November and proceeded *viâ* Igatpuri to the town of Rájur, where he spent a few days computing the co-ordinates of points belonging to the old triangulation on which the supplementary triangulation, which it was found necessary to carry out in certain parts of the area under survey, would be based. After visiting 2 or 3 plane-tablers *en route*, he began his triangulation at Ghoti H. S. on the 2nd December, and by the 16th idem had covered an area of 43 square miles, and computed and plotted points furnishing data for 8 plane-table sections on the scale of 8″=1 mile. He next examined the plane-table sections of 3 sub-surveyors. He returned to Rájur about the 6th January and resumed triangulation in sheet 194, and by the end of the month observed and computed points for 11 sections on the 8″ scale, having had to cover an area of 88 square miles to do so. Leaving the Samrad Valley in sheet 194, he proceeded to the Ambit Valley in sheet 195, south of the above. Here, owing to the almost inaccessible nature of many of the peaks, the narrowness of the valley and the great height of the hill ranges confining it, rising as they do from 2 to 3 thousand feet above the valley, he had considerable difficulty in supplying some of the sections with points. The triangulation was brought to a close on the 16th February, adding about 30 square miles to the area previously accounted for.

From that time he was employed on visiting the camps and examining the work of the 10 surveyors attached to his camp.

Some of the men experienced great hardship through the deficiency of water in parts of the country, making it necessary for them to encamp long distances away from their ground and to work under the trying heat of the months of March and April, without a drop of water to relieve their thirst for several hours of the day. Added to this was the fear of dacoits, who raided and robbed Sub-Surveyor S. S. Joshi's camp.

Work of Surveyors and Sub-Surveyors—Gopál Vishnu.

Surveyor Gopál Vishnu was placed in charge of the 16 surveys in the Shrígonda, Ráhuri and Nevása Tálukas of the Ahmednagar District. Three junior sub-surveyors were told off to assist him. As in previous years, Gopál Vishnu in every case ran the plane-table circuit around each detached piece of work and the interior detail was completed by his assistants. An area of 32·90 square miles was completed, and this area was checked by 42 linear miles of check line run by Major Bythell and Gopál Vishnu. In addition to the above, 16·7 and 5·6 square miles were surveyed by this detachment on the 4 and 8-inch scales respectively in the Purandhar and Bhimthadi Tálukas of the Poona District. The Superintendent would here take the opportunity of mentioning that Gopál Vishnu has been permitted to retire from the service from 1st July 1897. He has served the Department well and faithfully for 30 years, receiving the commendation of all the officers under whom he has served for good and steady work, conscientiously performed, and it is with regret that we part from him now.

R. V. Joshi and P. R. Vaidya.

Surveyor R. V. Joshi was deputed to finish the triangulation that remained to be done in the Kánara District. He left Poona on the 14th November by the Southern Marátha Railway for Haveri, then proceeded by marches to Sirsi, where he began operations on the eastern margin of sheet 281, working westwards to the coast, and then south to the extreme limits of the Kánara District contiguous to the Mysore Territory and Madras Presidency. He was assisted by Sub-Surveyor P. R. Vaidya, who did the traversing in sheets 248 and 280, covering an *area* of 234 square miles.

Sub-Surveyor N. R. Patwardhan.

Sub-Surveyor N. R. Patwardhan was employed on supplementary triangulation and traversing in the Mándvi Táluka of the Surat District from the 15th November 1896 to the end of February 1897, where he completed an area of 141 square miles of triangulation and 44 linear miles of traversing. He then moved down into the Roha Táluka of the Kolába District and by the end of May completed an area of advance triangulation of 194 square miles.

With one or two exceptions, the sub-surveyors in the three camps worked well throughout the field season and gave satisfaction to their Camp Officers.

Recess Work.

The computations pertaining to last field season's triangulation and traversing have been completed during recess, excepting those of sheets 281 and 282 in the Kánara District, which will not be needed during the coming season, there being sufficient work in advance to keep the surveyors fully occupied, and also that of sheet 155 in the Mándvi Táluka, which is likewise not required immediately. In the Northern Circle 18 sections on the 8″ scale in Táluka Máhim, District Thána, have been drawn.

In the Central Circle 39 sections on the 8″ scale in Akola Táluka, Ahmednagar District, and 28 sections on the 16″ scale in the Ahmednagar District.

In the Southern Circle 13 sections in sheet 247, 4 sections in sheet 248 and 8 sections in sheet 279, North Kánara District, scale 4″ = 1 mile have been drawn and the arrears brought up, and are awaiting final examination before being sent to press; 12 sections on the scale of 8″=1 mile, Kolába District, have also been prepared for publication.

The small staff of draftsmen left in Poona during the field season to bring up the arrears of mapping of the 4″ scale sections in the Poona District have completed 14 sections, which are ready for examination, 13 still remaining to be done. It may here be said that the number of draftsmen in the party are unable to cope with the large quantity of field work that is brought in each year; it is proposed, therefore, to prevent an accumulation of arrears, to divide the year equally between the field and recess seasons, giving 6 months to each instead of 6½ months to field and only 5½ to recess duties as heretofore. The office was inspected in person by Major-General C. Strahan, R.E., the Surveyor-General, during the second week in September, who most carefully examined every branch of the work.

Programme for ensuing Field Season.

The programme for the ensuing field season is as follows:—

*Northern Circle.*

Advance triangulation in Dahánu Táluka, sheet 135.

Completion of 8″ detail in Máhim Táluka in sheets 135 and 136.

*Central Circle.*

Advance triangulation in Igatpuri and detail survey on 8″ scale in the same Táluka.

Continuation of detail survey on 16″ scale of bábul reserves along the banks of the Godávari River.

*Southern Circle.*

Advance triangulation in the Mángaon and Mahád Tálukas of Kolába District, in sheets 168 and 290.

Traversing in Sirsi Táluka, North Kánara District, in sheet 280.

Commencement of 8″ detail in Roha Táluka, Kolába District, in sheet 167.

Continuation of 4″ detail in Sirsi Táluka of North Kánara District, in sheet 280.

C. E. TAPSELL,

*Poona, 1st October 1897.* Acting Superintendent, Bombay Forest Survey.

## A.

*Statement showing the Forest Survey Work and its Cost during Survey year* 1896-97 *in the Northern Circle.*

| Description of Survey. | Scale. | District. | Area in square mile. | Total cost for Survey year. | Cost rate per square mile. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. a. p. | Rs. a. p. | |
| Triangulation ... ... | 8″ = 1 mile ... | Surat ... ... | 141 | 946 5 1 | 6 11 4 | In Mándvi Táluka. |
| Traversing ... ... | Do. ... | Do. ... ... | 10 | 47 8 0 | 4 12 0 | 44 linear miles in Mándvi Táluka. |
| Detail Survey... ... | Do. ... | North Thána ... | 51·7 | 9,772 9 0 | 188 15 10 | In Máhim Táluka. |
| | | | Total ... | 10,766 6 1 | | |

## B.

*Statement showing the Forest Survey Work and its Cost during Survey year* 1896-97 *in the Central Circle.*

| Description of Survey. | Scale. | District. | Area in square mile. | Total cost for Survey year. | Cost rate per square mile. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. a. p. | Rs. a. p. | |
| Triangulation ... ... | 4″ = 1 mile ... | Ahmednagar ... | 161 | 2,898 10 3 | 18 0 0 | In Akola Táluka. |
| Detail Survey... ... | Do. ... | Poona ... ... | 16·7 | 12,339 14 11 | 91 9 11 | In Purandhar and Bhimthadi Tálukas. |
| Do. ... ... | Do. ... | Ahmednagar ... | 117·77 | | | In Akola Táluka. |
| Do. ... ... | 8″ = 1 mile ... | Poona ... ... | 5·62 | 11,428 14 9 | 112 4 10 | In Bhimthadi Táluka. |
| Do. ... ... | Do. ... | Ahmednagar ... | 96·14 | | | In Akola Táluka. |
| Do. ... ... | 16″ = 1 mile ... | ..... | 32·90 | 5,134 11 10 | 156 1 7 | In Shrigonda, Ráhuri and Nevása Tálukas. |
| | | | Total ... | 31,802 3 9 | | |

## C.

*Statement showing the Forest Survey Work and its Cost during Survey year* 1896-97 *in the Southern Circle.*

| Description of Survey. | Scale. | District. | Area in square miles. | Total cost for Survey year. | Cost rate per square mile. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. a. p. | Rs. a. p. | |
| Triangulation... ... | 8″ = 1 mile ... | Kolába ... ... | 194 | 828 3 0 | 4 4 4 | In Roha Táluka. |
| Do. ... ... | 4″ = 1 mile ... | North Kánara ... | 880 | 6,956 11 10 | 7 14 7 | In Kumta, Siddápur, Bhatkal and Honávar Tálukas. |
| Traversing ... ... | Do. ... | Do. ... | 234 | 2,650 3 0 | 11 5 2 | In Sirsi and Ankola Tálukas. |
| Detail Survey... ... | 8″ = 1 mile ... | Kolába ... ... | 15 | 1,656 5 10 | 110 6 11 | In Alíbág Táluka. |
| Do. ... ... | 4″ = 1 mile ... | North Kánara ... | 387·50 | 28,158 3 5 | 72 10 8 | In Kárwár, Kumta, Ankola and Sirsi Tálukas. |
| | | | Total ... | 40,249 11 1 | | |

C. E. TAPSELL,
Acting Superintendent, Bombay Forest Survey.

*Poona, 1st October 1897.*